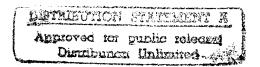


PB85155323



#### RESEARCH, DEVELOPMENT, TEST AND EVALUATION PROGRAM (R-1), DEPARTMENT OF DEFENSE BUDGET FOR FISCAL YEAR 1986



THE DEPARTMENT OF DEFENSE WASHINGTON, DC



50272 - 101 REPORT DOCUMENTATION 3. Recipient's Accession No. PAGE PB85-155323 4. Title and Subtitle Research, Development, Test and Evaluation Program (R-1), February 4, 1985 Department of Defense Budget for Fiscal Year 1986 7. Author(s) 8. Performing Organization Rept. No. The Assistant Secretary of Defense (Comptroller) R-1 S. Performing Organization Name and Address 38. Project/Tack/Work Sink No. The Department of Defense 11. Contract(C) or Grant(G) No. Washington, DC 20301 (G) 12. Sponsoring Organization Name and Address 13. Type of Report & Period Covered The Department of Defense FY 1986 Washington, DC 20301 14. 15. Supplementary Notes 16. Abstract (Limit: 200 words) This document provides details of the request for the FY 1986 Research, Development, Test and Evaluation (R,D,T&E) Program of the Department of Defense. It is derived from and is consistant with the DoD Five Year Defense Program R,D,T&E Annex data base. 17. Document Analysis a. Descriptors Department of Defense Development R-1 FY 1986 Test Budget Evaluation Research R,D,T&E Program b. Identifiers/Open-Ended Terms REPRODUCED BY NATIONAL TECHNICAL INFORMATION SERVICE U.S. DEPARTMENT OF COMMERCE SPRINGFIELD, VA. 22161 c. COSATI Field/Group 18. Availability Statement 19. Security Class (This Report) 21. No. of Pages No restriction on distribution Unclassified 20. Security Class (This Page) Available from National Technical 22. Price

22161

See Instructions on Reverse

Unclassified

#### Preface

The R.D.T. & E. Programs (R-1) exhibit is derived from and consistent with the DoD Five Year Defense Program R.D.T. & E. Annex data base. The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the transmission by the President of the Budget of the United States Government. It is accompanied by an automated data base submission to the House Committee on Administration for input to the House Information System. An unclassified version is provided to OASD(PA) for use by non-DoD activities.

Office of the Assistant Secretary of Defense

Comptroller

٦. ه

Ś

### RDT&E PROGRAMS (R-1)

POM AND BUDGET SUBMISSION DISTRIBUTION:		JANUA
USDR&E DUSD (P)	25 3	USDR& DUSD (
ASD(MRA&L) ASD(LA)	∞ ←	ASD(M) ASD(LA
(C) (Q)	<b>k k</b>	ASD(C) PDASD(
ום כ	<b>7</b> –	DASD(C DASD (C
DIR FOR P/S (P/B) DIR FOR R&D (P/B)	<del>-</del> 0	DIR FOR
DIR FOR PROC (P/B) DIR FOR CONSTR (P/B)	- 4	DIS SIGN
(&E)	٠٥,	DIR (PA
OMB	- დ	DoD IG OMB
ARMY	7	ARMY
OASA (IL&FM) NAVY	(·	OASA (
AIR FORCE	77	AIR FOF
JCS DARPA	<b>-</b> -	JCS
DMA	- <del>(</del>	DMA
SDIO	•-•	SDIO
DCA		₹ <b>5</b>
AID	<del></del>	DIA GAO

Classified by: Multiple sources Review on: OADR

### TABLE OF CONTENTS

**DoD Component Summary** 

Army

**Army Summary** 

Army R-1

Navy

Navy Summary

Navy R-1

**Air Force** 

Air Force Summary

Air Force R-1

**Defense Agencies** 

**Defense Agency Summary** 

Defense Agency R-1

Director, Test and Evaluation Summary

Director, Test and Evaluation R-1

Individual Defense Agency R-1

PAGE

= 8 =

Δ-Δ

A-1 through A-14

ż

N-1 through N-17

ī

F-1 through F-14

<u>-</u>

D-1 through D-4

D-5

**9-**0

D-7 through D-19

- <u>-</u> -

\_

# DEPARTMENT OF DEFENSE FY 1986 R D T & E PROGRAM

SUMMARY

EXHIBIT R-1

1,693 8,092 16, 573, 094 8, 390, 100 107,700 42, 607, 312 FY 1987 5,728,067 11, 808, 351 . . . . . . . . DATE: 04 FEB 1985 THOUSANDS OF DOLLARS 103, 500 FY 1986 5, 279, 900 11,264,300 15, 578, 500 7,053,900 39, 280, 100 59,000 4,378,115 FY 1985 9, 274, 108 13, 506, 247 4, 238, 327 31, 451, 795 49,000 FY 1984 4, 215, 375 7,629,418 26, 938, 419 12, 275, 206 2, 769, 420 TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES RESEARCH DEVELOPMENT TEST + EVAL, ARMY RESEARCH DEVELOPMENT TEST + EVAL, NAVY DIRECTOR OF TEST + EVALUATION, DEFENSE RESEARCH DEVELOPMENT TEST + EVAL, AF SUMMARY RECAP OF RESEARCH CATEGORIES SUMMARY BY APPROPRIATION

RESEARCH	843,005	860, 811	970, 837	1,111,693
EXPLORATORY DEVELOPMENT	2, 212, 048	2, 260, 932	2, 555, 244	2,848,092
ADVANCED DEVELOPMENT	5, 936, 340	6, 837, 131	11,682,796	14, 069, 595
ENGINEERING DEVELOPMENT	9, 165, 090	10, 916, 757	10,747,398	10, 730, 113
MANAGEMENT AND SUPPORT	2, 406, 478	2, 435, 767	2, 743, 737	3,006,853
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	20, 562, 961	23, 311, 398	28, 700, 012	31,766,346
GPERATIONAL SYSTEMS DEVELOPMENT	6, 375, 458	8, 140, 397	10, 580, 088	10,840,968
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	26, 938, 419	31, 451, 795	39, 280, 100	42, 607, 312

PAGE 11

### DEPARTMENT OF DEFENSE FY 1986 R D T & E PROGRAM

SUMMARY

DATE: 04 FEB 1985

EXHIBIT R-1

			THOUSANDS	THOUSANDS OF DOLLARS
	FY 1984	FY 1985	FY 1986	FY 1987
SUMMARY RECAP OF BUDGET ACTIVITIES	f 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TECHNOLOGY BASE	3, 055, 053	3, 121, 048	3, 525, 106	3,957,831
ADVANCED TECHNOLOGY DEVELOPMENT	1,352,245	2, 765, 808	5, 461, 303	6,988,532
STRATEGIC PROGRAMS	7,877,857	8, 358, 953	8, 555, 622	8,735,075
TACTICAL PROGRAMS	7, 929, 281	9, 498, 201	12, 395, 172	13, 365, 417
INTELLIGENCE AND COMMUNICATIONS	3, 405, 984	3, 956, 571	5, 031, 063	4,991,822
DEFENSEWIDE MISSION SUPPORT	3,318,188	3, 751, 214	4,311,834	4,568,635
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	26, 938, 419	31, 451, 795	39, 280, 100	42,607,312
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	725, 813	803, 791	1, 205, 231	1,221,916
GENERAL PURPOSE FORCES	1,473,369	2,052,570	2, 631, 094	2,645,541
INTELLIGENCE AND COMMUNICATIONS	4, 082, 921	5, 021, 964	6, 345, 303	6,576,798
AIRLIFTSEALIFT	20, 639	32, 116	69, 598	42,957
RESEARCH AND DEVELCIPMENT (FYDP PROGRAM 6)	20, 562, 961	23, 311, 398	28, 700, 012	31,766,346
CENTRAL SUPPLY AND MAINTENANCE	63, 858	215,787	317,849	340, 521
TRAINING MEDICAL AND OTHER	2, 846	5,208	5,300	6,895
ADMINISTRATION AND ASSOC ACTIVITIES		5,200	1,174	1,469
SUPPORT OF OTHER NATIONS	6,012	3, 761	4, 539	4, 869
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	26, 938, 419	31, 451, 795	39,280,100 PAGE 111	42,607,312

### DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

THOUSANDS OF DOLLARS PI C 85, 658 U 31,228 U 204, 031 U O66 6,883 ∪ 421,379 U 11,839 U 163, 237 U 62,375 U 17,068 U 4, 102 U FY 1987 DATE: 04 FEB 1985 3, 569 947 36, 149 183, 786 6, 265 11,626 15,930 54,855 373,054 FY 1986 161,624 58, 671 2,889 5, 557 6,746 FY 1985 168, 265 18, 323 45, 333 15, 360 51,296 89,935 791 323, 257 14,756 5, 288 7,159 8,420 2,602 FY 1984 851 46,989 53, 125 68, 895 300,779 1 1 1 1 1 1 142,341 ACT ø 9 APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY MUNITIONS-NATO STDZN DOD EFFEC SAFETY STDS INTL COOPERATIVE RESEARCH AND DEV SML BUSINESS INNOVATIVE RESEARCH SUPPORT OF OPERATIONAL TESTING SUPPORT OF DEVELOPMENT TESTING EXPLOITATION OF FOREIGN ITEMS THREAT SIMULATORS FOR TESTING DARCOM MAJOR RANGE/TEST FACIL ITEM NOMENCLATURE TECHNICAL INFO ACTIVITIES MATERIEL SYSTEMS ANALYSIS KWAJALEIN MISSILE RANGE PROGRAM-WIDE ACTIVITIES PROGRAM ELEMENT NUMBER 65502A 65706A 65709A 65716A 65803A 65301A 65702A 65712A 65801A 65802A 65804A 65805A L I NE 238 239 240 242 243 244 245 248 248 237 247 241

UNCLASSIFIED

PAGE A-13

11,852

41,017

42,873

MOT HO (RESEARCH/DEVELOPMENT)

65872A 65898A

252

251

PRODUCTIVITY INVESTMENTS

MM AND T/MACI

250

23, 335

11,257

တ တ

**\_** 

20, 340 U

20, 184

32,811

37,093 73,683 20,728

DOD HIGH ENERGY LASER SYSTEMS TEST FAC

65806A 65808A

249

13,092 U 12,120 U

## DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB	
iL, ARMY	
+ EVAL,	
TEST +	
ESEARCH DEVELOPMENT 1	
4	
2040	
RIATION	

APPR	APPROPRIATION:	2040 A RESEARCH DEVELOPMENT TEST + EVAL,	ARMY			DATE: 04	04 FEB 1985
						THOUSANDS OF DOLLARS	
Z S	ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	198		FY 1987 C
219	33145A	EUCOM C3 SYSTEMS	4	2, 811	7, 503	1,961	1,419 U
	TACTIC	TACTICAL PROGRAMS		1,725,718	1, 891, 375	2, 366, 366	2, 615, 490
220	63712A	MAPPING AND GEODESY	ю	739	2, 937	4, 205	J
22	64201A	AIRCRAFT AVIONICS	ω	3, 194	2,094	2,238	5,080 U
222	64716A	MAPPING AND GEODESY	ıo		3,864	3, 430	3,241 U
223	64778A	NAVSTAR GLÖBAL PÖS SYS (USER EQ)	ıo	5,777	13, 481	11,271	7,470 U
224	31307A	FOREIGN SCIENCE AND TECHNOLOGY CENTER	io				
225	31327A	TECH RECONNAISSANCE/SURVEILLANCE (TECRAS)	ю				
226	31334A	OTHER COMMAND GDIP ACTIVITIES	ما				
227	31359A	SPECIAL ARMY PROGRAMS	ď				
228	33111A	STRATEGIC ARMY COMMUNICATIONS (STARCOM)	ιΩ	803	1,042		J
229	33126A	LONG-HAUL COMMUNICATIONS (DCS)	വ	11,389	6,720	4,312	3,917 U
230	33142A	SATCOM GROUND ENVIRONMENT	OL.	45, 865	15, 992	26, 755	26, 809 U
231	33401A	COMMUNICATIONS SECURITY	ıo	11, 939	11,398		1 1 1
	INTELL	INTELLIGENCE AND COMMUNICATIONS		85,054	65, 521	68, 491	ł I
232	63315A	TARGET MISSILES	9		981	6, 051	15,767 U
233	63738A	NONSYSTEMS TRAINING DEVICES (NSTD) DEV	ဖ	1,501	4,441	5, 863	8,324 U
234	64715A	NON-SYSTEM TNG DEVICES ENGR	ယ	16, 103	32, 372	43, 636	55,772 U
235	64726A	METECROLOGICAL EQUIPMENT SYSTEMS	ø	5, 099	9, 572	6, 447	3,305 U
236	65201A	AVIATION ENGINEERING FLIGHT ACTIVITY	9	6, 524	7, 587	11,720	12,690 U
			ONO	UNCLASSIFIED		PAGE A-12	

Ξ

DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

		FY	JEPAK ME 1986 R	DEFANTMENT OF THE AKMY FY 1986 R D T & E PROGRAM	Σ	X	EXHIBIT R-1
APPR	APPROPRIATION:	2040 A RESEARCH DEVEL	4			DATE: 04	04 FEB 1985
1 1 1						THOUSANDS	OF DOLLARS
N N N	FYCGRAFI ELEMENT NUMBER	ITEM NOMENCLATURE	ACT		FY 1985	FY 1986	FY 1997 C
203	64770A	JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM	2 4	67,750	80,000	43, 616	29,194 U
204	64779A	JT INTEROP OF TAC CMD & CONT SYS (JINTACCS)	4	22, 956	43, 818	8, 381	9,877 U
205	65710A	JT CB CONTACT POINT TEST AND ASSESSMENT	4	1,764	2, 346	2, 402	2, 496 U
208	23724A	HV ANTI-TANK ASSAULT WPN SYS (TOW)	4	4,789	9,874	11, 836	6, 607 U
207	23726A	ADV FIELD ARTILLERY TACTICAL DATA SYSTEM	4	25,117	32, 942	35, 574	46, 212 U
208	23727A	MED ANTI-TANK ASSAULT WPN (H)	4		2,000	3,842	o
209	23730A	CHAPARRAL	4	20, 231	17, 547	17, 666	Σ
210	23731A	SAM HAWK/HAWK IMP PROG	4	32,645	18, 785	5,212	9,623 U
211	23735A	COMBAT VEHICLE IMPROVEMENT PROGRAM	4	81, 521	115, 159	72,743	21,178 U
212	23739A	AN/TSG-73 MODIFICATIONS	4				4, 635 U
213	23740A	MANEUVER CONTROL SYSTEM (MCS)	4	12, 373	21,869	8, 636	8,681 U
214	23741A	PROD IMPR VULCAN AIR DEF SYS	4	3, 459			כ
215	23743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	4	27,744	27,712	26, 105	68,876 U
218	23744A	AIRCRAFT MODIFICATIONS	4	16, 434	3, 600		Þ
217	23745A	EQUIPMENT UPGRADE	4		10, 524	30, 805	29,775 U
218	28010A	JOINT TACTICAL COMMO PROGRAM (TRI-TAC)	4	70,735	44, 442	30, 560	10,690 U

PAGE A-11

DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPRO	APPROPRIATION:	2040 A RESEARCH DEVELOP	≥	•		DATE: 04	FEB 1985
! ! !	PROGRAM		; ; ; ; ; ; ; ; ; ;		1	THOUSANDS OF	DOLLARS
I N D E	ELEMENT	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
182	64711A	AIRCRAFT SURVIVABILITY EQUIPMENT	4	17,774	4, 572	24, 777	17,578 U
183	64712A	ARMY CMD AND CONTROL SYSTEM (ACCS) SYS ENGR	4	10,632	10,558	969 '6	8,247 U
184	64713A	COMBAT FEEDING, CLOTHING AND EQUIPMENT	4	3,167	2,976	6, 461	6,077 U
185	64714A	TACTICAL ELECTRIC POWER SOURCES	4	5,717	10,874	10, 122	14,989 U
186	64717A	GENERAL COMBAT SUPPORT	4	10, 500	17,960	14,822	15, 442 U
187	64718A	PHYSICAL SECURITY	4	6, 683	7, 592	6, 496	7,450 U
188	64722A	EDUCATION AND TRAINING	4	6,000	7, 703	6,611	6,575 U
189	64723A	SPECIAL PURPOSE DETECTORS	4		3, 315	3,256	1,512 U
190	84724A	CMC BIG DETECTION WARNING & TRG MATERIAL	4	878	11,273	23,081	30,374 U
191	64725A	CHEM BIG PROTECTIVE MATERIEL	4	22, 792	24, 316	15, 585	16,937 U
192	64727A	COMMAND AND CONTROL	4	19, 030	14,713	5, 799	1929 n
193	64730A	REMOTELY PILOTED VEHICLES	4	126, 153	95, 671	30,014	16, 435 U
194	64740A	TACTICAL SURVEILLANCE SYSTEM	4	11,240	16, 494		
195	64741A	DIVISION AIR DEFENSE COMMAND AND CONTROL	4	34, 148	50,356	33, 040	57, 823 U
196	64746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	4		10,807	21,310	24,051 U
197	64750A	TACTICAL ELECTRONIC COUNTERMEASURES SYSTEMS	4	8,686	40,831		
198	64751A	SINGLE CHANNEL GRD/ABN RADIO SUB ENG	4	7,397	8, 681	12,874	8,454 U
199	64754A	CLASSIFIED PROGRAM (ENG)	4				
200	64757A	MEDICAL CHEMICAL DEFENSE LIFE SPT MAT	4	4,669	12,684	2, 68 <u>0</u>	26,104 U
201	64758A	DRUG AND VACCINE DEVELCPMENT	4	4, 669	69,769	10, 497	10,391 U
202	84786A	TACTICAL ELECTRONIC SURVEILLANCE SYS	4	13, 174	18, 121		
			UNCL	UNCLASSIFIED	. ÷,	PAGE A-10	

DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

E FY 1967 C ⊃ 9,737 U 3,917 U )  $\supset$ 11,037 U  $\supset$ 206,960 U 16,464 U 30,653 U ⊃ ⊃ ⊃ > 23,011 U 11,022 U 4,924 U 12,752 8, 195 13, 324 3, 121 9'846 FY 1987 DATE: 04 FEB 1985 THOUSANDS OF DOLLARS EXHIBIT R-1 10,716 2, 228 7,954 3,898 2,940 5,007 6,024 1,543 FY 1986 62, 590 12,243 664 154, 805 24,003 15,486 10,417 14, 567 11,985 52, 823 5,038 31,835 4,714 14,268 5,578 9,772 288 10,800 14,943 10,004 72,980 76,378 8, 124 FY 1985 21,131 5,911 6, 788 58,883 12, 594 3,719 5,000 142 927 FY 1984 54, 549 13, 120 50, 160 10,296 2,465 26, 526 9,444 6,399 21,603 13,038 4,496 6,424 ACT 4 APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY JOINT TACTICAL MISSILE SYSTEM-ARMY (JTACMS-A) MODULAR INTEGRATED COMM AND NAVIGATION SYS IDENTIFICATION FRIEND OR FOE EQUIPMENT DEV HIGH TECHNOLOGY MOTORIZED DIVISION RADIOLOGICAL DEFENSE EQUIPMENT JOINT TACTICAL FUSION PROGRAM JT TAC INFO DIST SYS (JTIDS) I TEM NOMENCLATURE FIELD ARTILLERY AMMUNITION SMOKE MUNITIONS & MATERIEL UNATTENDED GROUND SENSORS M1 E1 DEVELOPMENT PROGRAM INFANTRY SUPPORT WEAPONS COUNTERMINE AND BARRIERS 105MM TANK AMMUNITION FIGHTING VEHICLE SYS COMM ENGINEERING DEV NIGHT VISION DEVICES NUCLEAR MUNITIONS LANDMINE WARFARE CACTUS PLANT MOBILITY PROGRAM ELEMENT NUMBER 64710A 64321A 64323A 64324A 64601A 64603A 64604A 64616A 64619A 64631A 64632A 64633A 64701A 64704A 64705A 64709A 64609A 64612A 64630A 64702A 6470BA L I NE 161 162 163 164 165 166 167 168 169 170 172 173 174 175 178 177 178 179 180 181 171

UNCL. ASSIFIED

A-9

PAGE

# DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPR	APPROPRIATION:	2040 A RESEARCH	<u></u>			DATE: 04	04 FEB 1985
 	PROGRAM					HOUSAND	DOLLARS
L I NE NG		I TEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1967 C
140	63755A	TACTICAL ELECTRONIC COUNTERMEASURES SYSTEMS	4	53, 413	74, 505		
141	63764A	MEDICAL CHEM DEFENSE LIFE SUPPORT MAT	4	23, 820			)
142	63768A	TACTICAL ELECTRONIC SURVEILLANCE SYS	4	5, 100	600'6		,
143	63767A	COMBAT SERVICE SUPPORT CONTROL SYS	4		190	980	U 878
144	64202A	AIRCRAFT WEAPONS	4	04.9	4,979	12,872	5
145	64204A	AIR MOBILITY SUPPORT EQUIPMENT	4	3, 733	4,001	2,600	5,062 U
148	64208A	UH-60 BLACKHAWK	4	15,000			)
147	64207A	ADVANCED ATTACK HELICOPTER (AH-64)	4	21,362	27,688	17,506	<b>5</b>
148	64216A	AIRCRAFT PROPULSION SYSTEMS	4		24,376	70, 791	115,564 U
149	64217A	SYNTHETIC FLIGHT TRAINING SYSTEMS	4	16,687	13,243	7,863	10,786 U
150	64218A	AIRDROP EQUIP DEVELOPMENT	4	3,306	4, 168	3, 141	3,938 U
151	64220A	ARMY HELICOPTER IMPROVEMENT PROG	4	54, 120	30, 890	6, 802	<b>3</b>
152	64223A	ADVANCED TECHNOLOGY LT HELICOPTER SERIES	4				283,702 U
153	64268A	AIRCRAFT COMPONENT IMPROVEMENT PROGRAM	4	11,899	13, 560	16, 158	19, 793 U
154	64306A	STINGER	4		8, 000	18, 583	3,152 U
155	64307A	PATRIGT (SAM-D)	4	78,342	61,078	53,070	38,755 U
156	64310A	HELIBÖRNE MISSILE-HELLFIRE	4	1,615	454	6,213	6,271 U
157	64311A	PERSHING 11	4	21,683			2
158	64313A	GRASS BLADE	4	15, 904	20,628	10,878	8, 635 U
159	64314A	MULTIPLE LAUNCH ROCKET SYSTEM (MLRS)	4	3, 481	1,851		636 U
160	64318A	DIVISION AIR DEFENSE GUN	4		009	43, 176	20,588 U
			2	i L	ı.	PAGE A-8	

7

DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

3,803 U 15, 626 U 9, 636 U 15,716 U > 21,057 U 13,023 U 6,256 U 17,257 U 44, 405 U 15, 752 U 12, 435 U 30,056 28, 196 FY 1987 THOUSANDS OF DOLLARS EXHIBIT R-1 DATE: 04 FEB 1985 4,416 20,977 2, 265 6,657 FY 1986 38,016 15, 192 6,932 31,019 20,693 8,611 23, 791 28, 363 9,379 9,341 4,479 9,671 6,767 2, 151 FY 1985 3,170 4,215 23,011 22, 474 31,686 11,119 15,617 8,273 4,083 14,407 36,485 9,901 19,057 4,913 2,645 3, 383 3, 153 6,616 3,460 3, 124 1,867 8,611 1,433 3, 168 12, 373 FY 1984 20, 500 22, 915 23, 475 24, 228 36, 960 ,25, 301 ACT CHEMICAL/BIO DETECTION WARM/SAMP MAT CONCEPTS 4 APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY SHORT RANGE AIR DEFENSE COMMAND AND CONTROL IDENTIFICATION FRIEND OR FOE EQUIP DEVEL ELECT WRFR VULNERABILITY/SUCEPTIBILITY ARMY DATA DISTRIBUTION SYSTEM (ADDS) CML BIC PROTECTIVE MATERIEL CONCEPTS SINGLE CHANNEL GRD/ABN RADIO SUB-SYS MEDICAL DEFENSE AGAINST CHEM WARFARE TACTICAL IMBEDDED COMPUTER PROGRAM AIRCRAFT SURVIVABILITY EQUIPMENT REMOTELY PILOTED VEHICLES/DRONES TAC ELECTRONIC SPT MEASURE SYS SOLDIER SUPPORT/SURVIVABILITY TACTICAL SURVEILLANCE SYSTEM DRUG AND VACCINE DEVELOPMENT ITEM NOMENCLATURE COMMUNICATIONS DEVELOPMENT COMBAT SUPPORT EQUIPMENT CLASSIFIED PROGRAM (ADV) COMBAT MEDICAL MATERIAL COMMAND AND CONTROL PHYSICAL SECURITY PROGRAM LINE ELEMENT NO NUMBER 63705A 63713A 63720A 63721A 63723A 63725A 63726A 63730A 63745A 63747A 63751A 63754A 63706A 63707A 63709A 63711A 63718A 63732A 63740A 63746A 63750A 119 20 22 23 124 125 126 128 129 30 32 33 34 35 36 38 139 2 127 <u>ق</u> 137

PAGE A-7

### DEPARTMENT OF THE ARMY

	PROGRAM		•	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8
N S	ELEMENT	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
0	33152A	WORLDWIDE MILITARY CMD&CNT SYS INF SYS	ო	13, 188	27,074	30, 914	36,377 U
	STRATE	STRATEGIC PROGRAMS		523, 195	224, 501	235, 657	246, 183
8	63209A	AIR MOBILITY SUPPORT	4			15, 472	14,114 U
10	63215A	JOINT SURVIVABILITY INVESTIGATIONS	4	1,056	986	006	N 626
05	63217A	GREATER SLOPE	4	36, 955	33, 996		J
03	63220A	ADVANCED ROTORCRAFT TECH INTEGRATION/LHX	4		48,314	75, 528	J
9	63225A	AIRDROP EQUIPMENT SYSTEMS	4			1,877	1,317 U
80	63302A	ANTI-TACTICAL MISSILE (ATM)	Ą	17, 193	29,275	62, 760	85, 722 U
901	63303A	SURF-TO-SURF MSL ROCKET SYS	4	11, 534	35, 215	30, 622	47,568 U
107	63604A	NUCLEAR MUNITIONS AND RADIACS	4	1,998	5, 831		
108	63608A	WEAPONS AND AMMUNITION	4			798	3,614 U
601	63612A	ADVANCED ANTI TANK WEAPON	4		24, 782	81,077	108,278 U
110	63615A	LETHAL CHEMICAL MUNITIONS CONCEPTS	4	12, 389	8, 957	20, 367	15,375 U
==	63619A	LANDMINE/BARRIER SYS	4	12, 212	13,215	28, 424	31,585 U
12	63627A	SMOKE MUNITIONS AND MATERIEL CONCEPTS	4	2, 342	2, 381	12,672	9, 553 U
113	63628A	ARTILLERY/MORTAR AMMG DEVELOPMENT	4	32, 479	9,416	10, 157	10,241 U
114	63633A	TANK/FIGHTING VEHICLE AMMO DEVELOPMENT	4	9, 721	11,315	5, 734	5
115	63635A	MÖBILE PRÖTECTED GUN PRÖGRAM	4	12, 479		9, 802	<b>.</b>
116	63639A	ARMAMENT ENHANCEMENT INITATIVE (AEI)	4				
117	63641A	PROGRAM 292	4				
118	63702A	ELECTRIC POWER SOURCES	4	5,955	7, 936	11,258	7,674 U
					_	PAGE A-6	

### UNCLASSIFIED

DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

**PH C** 8,202 U 4,622 ∪ 6,366 U 53, 593 U 26,336 U 1,783 U 9,662 ∪ 22,268 U 22, 325 U 87 U **>**  $\supset$ FY 1987 671,811 THOUSANDS OF DOLLARS DATE: 04 FEB 1985 EXHIBIT R-1 7, 235 4, 305 9, 575 FY 1986 22, 612 218 52,000 26, 496 3,045 8,643 16, 221 593, 348 4, 737 14,931 1,179 FY 1985 8,315 6,652 13, 175 6, 979 12,668 1111111 32, 297 476, 981 11,052 10, 568 12,042 **4**00 FY 1984 2,961 5,641 4,875 4,517 342,144 153, 372 320, 146 ACT TEST MEASUREMENT & DIAGNOSTIC EQUIPMENT DEVEL 2 3 6 APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY ELECTRONIC WARFARE FEASIBILITY DEVELOPMENT CB DEF/SMK ADV TECHNOLOGY DEMONSTRATIONS NONSYSTEMS MEDICAL MATERIAL DEVELOPMENT MEDICAL CHEM DEFENSE LIFE SUPPORT MAT ELEC WRFR VULN/SUSCEP TECH SUPPORT TECHNICAL VULNERABILITY REDUCTION DOD SOFTWARE INITIATIVES (STARS) ITEM NOMENCLATURE BALLISTIC MSL DEF SYS TECH DEMILITARIZATION CONCEPTS NONTACTICAL ADP TECHNOLOGY TACTICAL ROBOTIC SYSTEMS ADVANCED TECHNOLOGY DEVELOPMENT BMD ADVANCED TECHNOLOGY CLASSIFIED PROGRAM SPECIAL PREGRAM PROGRAM ELEMENT NUMBER 63765A 63748A 63763A 63764A 63758A 63749A 63756A 63759A 63761A 63762A 12821A 63752A 63304A 63308A 12814A 8 82 86 88 87 8 0 6 92 93 94 96 97 96

PAGE A-5

DEPARTMENT OF THE ARMY

EXHIBIT R-1	DATE: 04 FEB 1985 THOUSANDS OF DOLLARS
PETARIMENION THE PARTY	APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY THOUSANDS OF DOLLARS

	PAGE A-4						
7,602 U	5, 494	4,735	2, 432	Ø	TRAINING SIMULATION	63744A	83
12,302 U	11,846	10,126	7,304	αı	EDUCATION AND TRAINING	63743A	82
8,178 U	9, 730	5,748	2,761	α	ADV ELECTRONIC DEVICES DEV	63742A	18
12,278 U	11,611	7, 837	4, 752	α	HUMAN FACTORS IN TNG/OPER EFFECT	63739A	80
		5, 391	3, 654	αı	ANTI-RADIATION MSL COUNTER MEASURES	63737A	79
2,490 U	1,961			αı	HUMAN FACTORS ENGINEERING APPLICATIONS	63736A	78
6,229 U	3, 450	1,271	2,015	α	ENGINEERING SYSTEMS	63734A	77
21,065 U	16, 938	11,952	10, 080	OJ.	MANPOWER AND PERSONNEL	63731A	76
		5,208	969'6	Ø	REMOTELY PILOTED VEHICLES/DRONES	63725A	75
23,977 U	31,774			Q	TAC CMD COMMO & COMPUTER (C4) INTEGRATH	63723A	7.4
33, 972 U	33, 622	28,394	27,916	СI	NIGHT VISION ADVANCED DEVELOPMENT	63710A	73
2,256 U	2,035			αı	AMMUNITION LOGISTICS	63640A	72
)			200	O.	NUCLEAR HARDENING ADVANCED TECHNOLOGY	63638A	7
9, 569 U	8, 233	7,904	4,547	CI.	ADV PRÖPULSION/LAUNCH SYS FOR MUN	63637A	70
12,448 U	11, 363	52, 137	11,944	α	COMBAT VEHICLE ARMOR/ANTI-ARMOR	63636A	69
28,468 U	17,036	14,930	6, 963	αı	CMBT VEH TURRET AND CHASSIS SUBSYS	63631A	68
15,733 U	14,967	13, 254	12,947	αı	COMBAT VEHICLE PROPULSION SYS	63621A	29
6,297 U	3, 463	4, 272	2,986	α	JOINT SERVICE SMALL ARMS PROGRAM (JSSAP)	63607A	99
10, 165 U	11,267	12, 415	10,403	Ø	LANDMINE WARFARE/BARRIER DEV	63606A	65
35, 200 U	16, 474	18,904	11,460	αı	ADVANCED LAND MOB SYSTEMS CONCEPTS	63602A	64
15, 451 U	9, 705	37, 517	36, 032	Ø	ARMY DEVEL & EMPLOYMENT ACTIVITY-ADEA	63324A	83
FY 1987 C	FY 1986	FY 1985	FY 1984	ACT	ITEM NOMENCLATURE	ELEMENT	NG NG
!			1 1 1 1 1 1 1 1 1	;		MAGG	

DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

PROGRAM EXHIBIT R-1	DATE: 04 FEB 1985
FY 1986 R D T & E PROGRAM	APPRÖPRIATIÖN: 2040 A RESEARCH DEVELÖPMENT TEST + EVAL, ARMY

APPR	APPROPRIATION:	APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY	<b>&gt;</b>			DATE: 04	04 FEB 1985
2	PROGRAM					THOUSANDS OF	DÖLLARS
O Z Z Z Z Z Z Z Z	NUMBER 1	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
48	62772A	COMBAT CASUALTY CARE TECH	-	7,011	8, 491	8, 892	9,627 U
4	62775A	COMBAT MAXILLOFACIAL INJURY	-	2,446	2, 242	2, 167	2,356 U
<b>4</b> ₩	62777A	SYSTEMS HEALTH HAZARD PREVENT TECH	_	17,505	18, 433	19, 461	22,775 U
48	62781A	ENERGY TECH APPL FOR MILITARY FACIL	-	1,754	2, 128	2, 230	
	TECHNO	TECHNOLOGY BASE		684, 455	761, 447	876, 432	917,910
47	63102A	MATERIALS AND STRUCTURES ADVANCED DEVELOPMENT	N	5,678	8, 593	14, 437	21,992 U
48	63104A	FUELS AND LUBRICANTS ADVANCED DEVELOPMENT	Ø	2,012	3, 479	3, 384	4,937 U
9	63201A	AIRCRAFT POWER PLANTS AND PROPULSION	Ø	16, 406	22, 622	21,833	28, 295 U
00	63206A	AIRCRAFT WEAPONS	Ø	8, 279	7,889	6,946	10,331 U
20	63207A	AIRCRAFT AVIONICS EQUIPMENT	, N	2, 935	22, 144	10,970	10,134 U
55 53	63209A	AIR MOBILITY SUPPORT	αı	5,003	2, 184	٠	<b>ס</b>
93	63211A	RÖTARY WING CONTROLS/ROTORS/STRUCTURES	OJ.	33, 031	30, 163	31,104	36,814 U
ιο 4	63216A	SYNTHETIC FLIGHT SIMULATORS DEVELOPMENT	N	9,714	9,052	12,613	19,550 U
10	63218A	AIRDROP ADVANCEMENT	QI.	1,996	3, 950	3,854	4,686 U
28	63220A	ADVANCED RÖTÖRCRAFT TECH INTEGRATIÖN (ARTI)	αı	1,009			D
22	63221A	NOE AVIATION AND NAVIGATION EQUIPMENT	αı	853	366	3, 089	3,917 U
10	63226A	CLASSIFIED PROJECTS	αı				:
<b>0</b>	63306A	TERMINALLY GUIDED PROJECTILES	QI.	2,948	4,922	17,409	29, 465 U
80	63313A	MSL/ROCKET COMPONENTS	Qi.	16,086	19, 689	42, 836	34,003 U
16	63314A	HI-ENERGY LASER COMPONENTS	CN.	13, 756			<b>.</b>
62	63322A	BATTLEFIELD ENVIRONMENT SIMULATION	OI.			2, 570	7,357 U
				0 0	a.	PAGE A-3	

#### DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985 APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

	! ! ! !		: : : : :	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 i i i i i i i i i i i i i i i i i i i	THOUSANDS	OF DOLLARS
N N N	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1964		FY 1986	日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日
23	62704A	MIL ENVIRONMENTAL CRITERIA DEV	-	2,345	2, 902	3, 096	3,514 U
83	62705A	ELECTRICAL AND ELECTRONIC DEVICES	-	17, 953	20,056	22, 871	24,412 U
4	62706A	CHEM BICLOGICAL DEF / GEN INVEST	-	36, 425	32, 895	41,724	40,682 U
10 10	62707A	MAPPING - GEÖDESY	-	7, 369	7, 994	10,364	10,854 U
58	62709A	NIGHT VISION INVESTIGATIONS	-	16, 164	19,642	22,077	26,233 U
27	62715A	TACTICAL ELECTRONIC WARFARE TECHNOLOGY	-	9, 159	990'6		
28	62716A	HUMAN FACTORS ENG SYS DEV	-	11, 424	10, 437	15, 269	16,238 U
28	62717A	HUMAN PERFORMANCE EFFECT/SIMULATION	-	4,980	4,754	6,788	6,012 U
90	62719A	MOBILITY AND WEAPONS EFFECTS TECH	-	8, 241	9,217	13, 363	13,170 U
31,	62720A	ENVIRONMENTAL QUALITY TECH	-	7, 539	11,147	6,912	9,428 U
32	62722A	MANPOWER/PERSONNEL/TRAINING	-	5, 433	7, 191	8,016	8, 556 U
33	62723A	CLOTHING EQUIP AND SHELTER TECH	-	6,952	6,577	10,537	10,730 U
4	62724A	JT SVC FOOD SYS TECH	-	5, 382	666 '2	6, 432	7,573 U
30	62725A	COMPUTER AND INFORMATION SCIENCE	-	1,944	2,207	2,216	2, 405 U
38	62727A	NONSYSTEMS TRAINING DEVICES TECH (NSTD)	<b>-</b>	3,778	4, 507	5, 103	N 060'9
37	62730A	COLD REGIONS ENGINEERING TECHNOLOGY	-	6, 437	7,423	6,819	7,810 U
38	62731A	MILITARY FACILITIES ENGINEERING TECHNOLOGY	-	6, 227	4, 597	5, 253	6,025 U
30	62733A	MOBILITY EQUIPMENT TECHNOLOGY	-	9, 534	11,750	13, 627	14,684 U
40	62734A	MED DEFENSE AGAINST CHEM AGENTS	-	29, 509	29, 266	32,309	31,799 U
4	62746A	TACTICAL ADP TECH	-	5,888		990 '6	8,450 U
4	62770A	MILITARY DISEASE HAZARDS TECH	-	25, 281	22,046	28,990	35, 866 U
					e e	PAGÉ A-2	

## UNCLASSIFIED DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

	<b>#</b> 0	M O	<b>5</b>	⊃ ••	⊃ ~	<b>5</b>	<b>⊃</b>	<b>⊃</b>		<b>⊃</b>	<b>&gt;</b>	<b>-</b>	ے س	<b>5</b>	<b>5</b>	<b>5</b>		<b>5</b>	<b>&gt;</b>	<b>&gt;</b>	<b>5</b>	<b>5</b>	<b>∽</b>
04 FEB 1985	F DOLLARS	FY 1987	28,023	254, 558	12, 242	14,005	7,783 U	11,973		3,414 U	9,707 U	33,879 U	2,386	34, 278	25, 515	24, 995		9,080	37, 657	15,953	8, 065	19,460 U	3,323 U
DATE: 04	THOUSANDS OF DOLLARS	FY 1986	25, 280	236, 869	6, 126	12, 380	968'9	8, 461		3, 321	9,766	31,171	2,061	31,504	21,392	22, 226		12, 794	48, 424	14,062	6, 542	21,403	4, 407
		FY 1985	24, 396	209, 132		11,870	4,686	8, 477		3, 132	8,013	25, 498	1, 791	31,028	21,087	21,772	34, 558	9,116	46,683	12, 522	4, 502	15, 151	4, 768
		FY 1984	21,862	196, 139		11,356	4,479	10,184		2, 784	7,479	20, 289	1,399	34, 526	20,047	21,987	15, 550	8, 838	18,014	12,893	3, 530	12, 201	4,218
ARMY	;	ACT	-	-	-	-	-	-	-	-	-	-	-	<b>←</b> .		<b>-</b>	-	-	-	-	-	-	-
APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL.		ITEM NOMENCLATURE	IN-HOUSE LAB INDEPENDENT RESEARCH	DEFENSE RESEARCH SCIENCES	UNIVERSITY RESEARCH INITIATIVES	MATERIALS	ATMOSPHERIC INVESTIGATIONS	NUCLEAR WEAPONS EFFECTS/FLUIDICS	SURVIVABILITY ENHANCEMENT	AIRCRAFT WEAPONS TECHNOLOGY	AIRCRAFT AVIONICS TECHNOLOGY	AERGNAUTICAL TECHNOLOGY	AIRDROP TECHNOLOGY	MISSILE TECHNÖLGGY	LASER WEAPON TECHNOLOGY	TANK AND AUTOMOTIVE TECHNOLOGY	LARGE CAL AND NUCLEAR TECHNOLOGY	SMALL CAL AND FIRE CNTRL TECHNOLOGY	BALLISTICS TECHNOLOGY	CHEMICAL AND SMOKE MUNITIONS	JOINT SERVICE SMALL ARMS PROGRAM (JSSAP)	COMMUNICATIONS TECH	COMBAT SURVEILL TARGET ACQUIS & IDENT
APPROPRIATION:		ELEMEN NUMBER	61101A	61102A	61103A	62105A	82111A	62120A	62122A	62201A	62202A	62209A	62210A	62303A	62307A	62601A	62603A	62617A	62618A	62622A	62623A	62701A	62703A
APPR		N N N	-	Ø	ო	4	į,	Φ	^	∞	Œ	0	=	7	13	4	5	16	17	18	6	50	24

PAGE A-1.0

UNCLASSIFIED

#### DEPARTMENT OF THE ARMY FY 1986 R D T & E PROGRAM

SUMMARY

EXHIBIT R-1

DATE: 04 FEB 1985

		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS	OF DOLLARS	
	FY 1984	FY 1985	FY 1986	FY 1987	
. 61					
REGEARCH TOTAL TOT	218,001	233, 528	268, 275 808 157	294,823	
ADVANCED DEVELOPMENT	1, 283, 730	1,022,242	9	1,503,123	
ENGINEERING DEVELGPMENT MANAGEMENT AND SUPPORT		101, 818,		1,672,947	
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6) OPERATIONAL SYSTEMS DEVELOPMENT	, 792, 422,	704, 01 672, 10	632,	, 143, 584,	
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	4, 215, 375	4, 376, 115	5, 279, 900	5, 728, 067	
SUMMARY RECAP OF BUDGET ACTIVITIES					
TECHNOLOGY BASE	684, 465	761,447	876, 432 593, 348	917, 910 671, 811	
STRATEGIC PROGRAMS	523, 195	224, 501	235,657	246,183	
TACTICAL PROGRAMS INTELLIGENCE AND COMMUNICATIONS DEFENSELIDE MISSIGN SUPPORT	1, 729, 716 85, 054 854, 809	65, 521 65, 521 956, 290	68, 491 1, 139, 606	62,062 1,214,611	
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	4, 215, 375	4,376,115	5, 279, 900	5, 728, 067	
SUMMARY RECAP OF FYDP PROGRAMS					
STRATEGIC FORCES	36, 489	197, 427 304, 454	204, 743 242, 979	209, 806 206, 275	
INTELLIGENCE AND COMMUNICATIONS RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	91,343 3,792,495	77,722 3,704,012	80, 222 4, 647, 894	84,067 5,143,506	
		92,500	104,062	64,413	
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	, 215, 37	, 376, 11	, 279,	5, 728, 067	

PAGE A- 1

THE ARMY	GRAM
A	PRO
뿔	Ш
6	<b>~</b>
Ż	0
DEPARTMENT	1986 R
	Ŧ

8. 8.	OPRIATION:	FY 199 Appropriation: 2040 a research development test + eval, army	FY 1985 EVAL, ARMY	ISBB K D I & E PKOGKAM	E	E) DATE: 04	EXHIBIT R-1 DATE: 04 FEB 1985
. Q						THOUSANDS OF DOLLARS	JF DOLLARS
L N O M		ITEM NOMENCLATURE	_	FY 1984 FY 1985	FY 1985	1 	FY 1987 C
253	78011A	78011A INDUSTRIAL PREPAREDNESS		1 1 1 1 1 1 1 1 1	92,500	104,062	84, 413 U
	DEFENS	DEFENSEWIDE MISSIGN SUPPORT		854, 809	956, 290	1, 139, 606	1,214,611
TOTAL		RESEARCH DEVELOPMENT TEST + EVAL, ARMY		4,215,375	4,376,115	5, 279, 900	5,728,067
			:		<b>a.</b>	PAGE A-14	

NAV≺	PROGRAM
OF THE	₩ ₩
_	R D T
DEPARTMENT	
	⊬

SUMMARY

- 1
_
ត
·
$\sim$
_
片
D
_
"
٠,
0
2
_
•
- 2
ഗ
_
_
Ð
=
I
_
•

EXHIBIT R-1

DATE: 04 FEB 1985

			INDUSANDS OF DOLLARS	OF UCILLARS
	FY 1994	FY 1985	FY 1986	FY 1987
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	319, 179	341,211	371,703	431,695
EXPLORATORY DEVELOPMENT	446, 294	441,695	481,486	573, 288
ADVANCED DEVELOPMENT	2,947,103	2,056,556	2, 966, 938 4 344 436	3, 253, 616
MANAGEMENT AND SUPPORT		607,078	620,	676,064
RESEARCH AND DEVELCPMENT (FYDP PROGRAM 8)	6, 591, 816	7,810,450	9, 171, 812	9, 558, 963
CIPERATIONAL SYSTEMS DEVELCIPMENT	1,037,602	1, 463, 656	2, 092, 488	2, 249, 388
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	629, 41	9, 274, 106	, 264, 30	11, 608, 351
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	765.473	782.908	853, 169	1,004,983
ADVANCED TECHNOLOGY DEVELOPMENT	226, 548	169,673	239, 449	328, 535
	762,	294,	2, 482, 030	2, 112, 529
TACTICAL PROGRAMS	3, 916, 887	4, 875, 230	6, 160, 962	6, 678, 427
INTELLIGENCE AND COMMUNICATIONS	345, 400	423, 109	704,007	756, 984
DEFENSEWIDE MISSION SUPPORT				926, 893
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	29,	9, 274, 106	11,264,300	. 0
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	270,907	235, 866	274, 412	345,993
GENERAL PURPOSE FORCES	540, 708	873, 449	1,084,246	1, 105, 353
INTELLIGENCE AND COMMUNICATIONS		303,846	661,404	555 /O/ 888 0
RESEARCH AND DEVELOPMENT (TYDE PROGRAM 6) CENTRAL SUPPLY AND MAINTENANCE	0,081,010	•	72, 426	90,000,900
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	7, 629, 418	274, 10	٠,	32

PAGE N-1

# DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

APPR	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT TEST +	EVAL, NAVY			DATE: 04	04 FEB 1985
-			•			THOUSANDS OF DOLLARS	F DOLLARS
Ö Z Z Z	NOR BERN	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
-	61103N	UNIVERSITY RESEARCH	-		•	6, 250	12, 500 U
CI .	61152N	IN-HOUSE INDEPEND LAB RES	<b>,</b>	23, 385	25, 627	26,277	28,356 U
ო	61153N	DEFENSE RESEARCH SCIENCES	-	295, 794	315,584	339, 176	390, 639 U
4	62101N	TACT DIRECTED ENERGY TECH	-		6,987	10, 834	13,028 U
Ю	62241N	AIRCRAFT TECHNOLOGY	-	24, 835	25, 478	23, 102	28,115 U
9	62331N	MISSILE PROPULSION TECH	-	9, 233	10,276	10, 503	12,024 U
7	62332N	SURF/AERGSPACE WPNRY TECH	-	26, 816	26,045	27,218	33, 221 U
0	62542N	NUCLEAR PROPULSION TECH	-	46, 348	47,845	49,018	48,541 U
o	62543N	SHIP AND SUBMARINE TECH	-	32, 763	29, 811	25, 272	30, 270 U
0	62633N	UNDERSEA WARFAR WPNRY TECH	-	24,710	30,077	44, 181	50, 565 U
=	62711N	U/S TARGET SURV TECH	-	41,344	40, 112	44, 495	52, 801 U
4	62712N	SURF/AERGSP TGT SURV TECH	-	34,911	32,040	32, 240	41,956 U
13	62721N	COMMAND AND CONTROL TECH	-	30, 643	30, 658	28, 943	38,003 U
4	62734N	COUNTERMEASURES TECH	-	27,818	20, 846	27,005	34,367 U
5	62744N	M C AIR-GROUND TECHNOLOGY	-			18, 499	20,848 U
18	62757N	HUMAN FACTORSESIM TECH	-	6, 557	8, 951	7,652	8,961 U
17	62758N	BIOMEDICAL TECH	-	7, 891	8,858	906 '8	10, 219 U
18	62759N	OCEAN AND ATMOS SUPT TECH	-	19, 233	24, 168	27,095	31,237 U
<u>.</u>	62760N	LØBISTICS TECH	-	13, 608	14, 596	13, 311	18,328 U
50	62781N	MATERIALS TECH	-	35, 611	35, 651	33,004	40,428 U
2	62762N	ELEX DEVICE TECH	-	25, 351	27, 662	24, 898	33,864 U
					<b>a</b> .	PAGE N-1.	

DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

EXHIBIT R-1	DATE: 04 FEB 1985
FY 1986 R D T & E PROGRAM	PROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

4PPR	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT TEST + EVAL,	NAVY			DATE: 04	4 FEB 1985	
! !						SON	OF DOLLARS	
L I NE	ELEMENT NUMBER	ITEM NOMENCLATURE		F	FY 19	FY 1986	987	0 M O
22	62763N	PERSONNEL & TRNG TECH	-	5, 811	5, 433	5,062	6,000 6	<b>-</b>
23	62764N	CHEM/BIOL/&RADIOL DEF TECH	-	3, 823	4, 899	4, 765	5,818 U	$\supset$
24	62785N	ENERGY & ENVIRON PROT TECH	-	3, 526			,	$\supset$
10	62766N	LAB INDEP EXPLORATORY DEV	-	12,081	13, 304	15, 463	18,694 U	$\supset$
28	62768N	DIRECTED ENERGY TECH	-	13, 383				⊃
	TECHNO	TECHNOLOGY BASE		765, 473	782, 906	853, 169	1,004,983	
27	63202N	AVIONICS	QI.	2, 497	1, 700	4, 909	3,924 U	_
28	63207N	AIR/GCEAN TACT APPLIC	Ø	5,941	8, 304	8,946	11,397 L	<b>-</b>
58	63210N	ADV A/C PROPUL SYS	Ø	5,911	5,005	8,841	4,052 6	$\supset$
30	63216N	AVIATION LIFE SUPT SYS	Ø	80 80 80	1, 121	1,377	1,386 U	$\supset$
31	63217N	ADV A/C SUBSYSTEMS	OJ.	2,944	4,746	4, 684	12, 482 L	$\supset$
32	NE0EE9	ERASE	N	24, 801	4, 505	10, 149	8, 599	<b>-</b>
33	63306N	ASM TECH	Ø	2,000		6,973	14,714	$\supset$
34	63308N	AAM TECH	Ø	3, 956	2,915		4,905	<b>-</b>
32	63508N	SHIP PROP SYS (ADV)	Ø	32, 651	44,091	30, 664	40,682	<b>_</b>
36	63526N	ADV COMPUTER TECH	α	6,912	11,214	14, 555	15,687	$\supset$
37	63573N	ELECTRIC DRIVE	O.	8, 585		9, 762		$\supset$
38	N609E9	CONVENTIONAL MUNITIONS	α	8,073	10,270	30, 334	49,158	$\supset$
39	63654N	JOINT SERV EOD DEV (ADV)	α	4, 394	6,887	10,898	11,188 U	$\supset$
6	63701N	HUMAN FACTORS ENG DEVEL	αı	1,170	1,852	2, 116	5,032	$\supset$
4	63704N	ASW GCEANGGRAPHY	N	3, 261	3, 355	6,376	6,064	$\supset$
			-	7 7		PAGE N-2		

#### DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

17,639 U 7,063 U 5,748 U 31,168 U 20,637 U ⊃ J 8,848 ∪ ) 8, 509 U 9,460 U 4,380 U 18,780 U  $\supset$ 10,512 1,471 13, 321 2,845 FY 1987 328, 535 THOUSANDS OF DOLLARS FY 1986 4,099 9,886 6, 144 14,653 4,667 968 5,477 13,083 239, 449 8,347 11,862 8,679 14,002 ტ -2 PAGE 6,425 2,848 FY 1985 16,816 10,892 3, 505 8,003 7,469 7,228 169,673 2,500 9,872 1,771 3, 893 2, 196 7,928 1,784 49, 127 5, 465 1,004 7,981 FY 1984 16,429 6,411 226, 548 1,473,233 UNCLASSIFIED က 6 က I TEM NOMENCLATURE ADV TECH FOR LOGISTIC INFO 63739N NAV LOGISTICS PRODUCTIVITY ADV MARINE BIOLOGICAL SYS ADV MANPOWER TRAINING SYS WWMCCS ARCHITECTURE SUPPT MEDICAL DEVELOPMENT (ADV) ENVIRONMENTAL PROTECTION ADVANCED TECHNOLOGY DEVELOPMENT MNPWR CONTROL SYST DEV OCEAN ENG TECH DEVELOP GENERIC LOGISTICS R&D NAVAL SPECIAL WARFARE EDUCATION & TRAINING TRAINING DEVICE TECH SATELLITE LASER COMM MANUFACTURING TECH SSBN SURVIVABILITY SPACE TECHNOLOGY TRIDENT II SS( )N PROGRAM ELEMENT NUMBER 63371N 63733N 63735N 63706N 83707N 63721N 63732M 63709N 63712N 63720N 63722N 63727N 63728N 63451N 63741N 63713N 63554N 63588N 4 4 2 83 47 5 25 2 8 56 52 8

DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985	THOUSANDS OF DOLLARS	の 山
NAVY	 	•
+ EVAL,		
TEST .		
.OPMENT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
DEVEL	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
SEARCH	1	
S R	1 1 1 1	
131	1 1 1 1	
APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY	; ; ; ; ; ; ; ; ; ;	PROORAM

APPR	APPROPRIATION: 1319	N RESEARCH DEVELOPMENT TEST + EVAL,	NAVY			DATE: 04 FEB	1985
1						THOUSANDS OF DOLLARS	F DOLLARS
L NG NG	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	187
19	64383N	TRIDENT II	n		2,049,041	2, 165, 615	1,719,764 U
82	65856N	STRATEGIC TECH SUPPORT	ო	7, 663	6,013	3,882	4, 299 U
63	11221N	FBM SYSTEM	က	21,879	29, 809	33, 550	51,318 U
8	11224N	SSBN SECURITY PROGRAM	၈	36, 671	43, 623	38, 591	52, 393 U
10	11228N	TRIDENT I	ო	71,194	32, 515	47, 195	59,180 U
88	11401N	ELF COMMUNICATIONS	ო	57, 292	27,920	28, 283	8,718 U
67	11402N	NAVY STRATEGIC COMM	ო	83, 145	101,481	125, 839	173,214 U
88	12427N	NAV SPASUR	ю	726	518	954	1,170 U
8	33131N	MEECN	ღ	1,509	1,470	1,615	1,720 U
70	33152N	WIS MODERNIZATION	ო	8, 391	1	22, 504	17,657 U
	STRATE	STRATEGIC PROGRAMS		1,762,707	2, 294, 890	2, 482, 030	2, 112, 529
71	63206N	ABN ELECTRONIC WARFARE EQ	4	19, 953	63, 856	61, 587	74, 221 U
72	63208N	T45-TS	4	24,857	67,612	114,128	132,097 U
73	63213N	AIRBÖRNE INFRARED CM	4	10,819			<b>5</b>
74	63214N	TAC CMD CONT COMM C/M	4	13,993			<b>3</b>
78	63219N	ADV A/C ARMAMENT SYS	4	1,300			<b>5</b>
78	63228N	CV ASW MODULE	4	3, 832	4, 259	5,022	4, 608 U
77	63251N	A/C SYSTEMS (ADV)	4		5,000	5,894	5, 128 U
78	83254N	AIR ASW	4	3, 882	2, 358	8,778	8,208 U
79	63256N	XAC	4	86, 673	186, 425	603, 743	487,964 U
90	63257N	A-6E IMPROV	4	14, 370	69,076	237, 952	134, 720 U

PAGE N-4

#### DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

FELEMEN   ITEM NOMENCLATURE   ACT   1984   FY 1984   FY 1985   FY 1987   F		PROGRAM		! ! ! ! ! !	; ; ; ; ; ; ; ;	1 1 6 1 1 1 1 1 1 1 1	THOUSANDS OF	F DOLLARS
63268N         ACOUNG SEARCH SENSORS (ADV)         4         1,900         1,875         14,146         19,525           63261N         TAC AIR RECON         4         7,485         9,900         6,906         19,407           63262N         A/C SURVIV & VULNER         4         7,485         9,900         6,906         19,612           63262N         A/C SURVIV & VULNER         4         6,967         20,332         14,825         19,612           63313N         AVERAIT IDENT SYS         4         6,967         20,332         14,825         19,612           63313N         AVERAIT IDENT SYS         4         6,967         20,332         14,825         19,612           63313N         AVERAIT IDENT SYS         4         6,967         20,332         14,825         19,612           6331N         AVERAIT IDENT SYS         4         6,967         20,332         14,166         19,601           6331N         AVERAIT IDENT SYS         4         6,967         7,347         41,510         11,607           6332N         AVERAIT IDENT SYS         4         27,381         10,151         11,160         11,900           6336N         SUBMARINE ASH TORP DEF         4         8,335	S S	ELEMENT NUMBER		ACT	FY 1984	FY 1985	1	FY 1987 C
63261N         AMN MINE COUNTERMEASURES         4         14,632         15,622         14,146         19,522           63261N         TAC AIR RECON         4         7,466         9,620         14,146         19,407           63262N         AC SURVIV & VULNER         4         10,687         20,332         14,626         19,407           63213N         MAVERICK         4         6,936         1,962         26,726         69,366           63313N         MAVERICK         6,936         12,366         26,726         69,366           63313N         MAVERICK         4         6,936         12,962         69,366           63313N         MAVERICK         4         6,936         12,366         26,726         69,366           63313N         MAVERICK         MASEICASAN)         4         27,361         11,670         61,200           63318N         MAYERICK         MASEICASAN         4         27,361         10,151         11,657           6332N         MASEICASAN         4         6,336         10,151         11,657         11,657           6335N         MARACE HOM         4         6,336         10,151         11,657         10,151         11,657 <t< td=""><td>_</td><td>63259N</td><td>ACOUS SEARCH SENSORS (ADV)</td><td>4</td><td>006,1</td><td>1.875</td><td>6 1 1 8 8 1 8</td><td></td></t<>	_	63259N	ACOUS SEARCH SENSORS (ADV)	4	006,1	1.875	6 1 1 8 8 1 8	
63261N         TAC AIR RECON         4         7,486         9,850         6,906         19,407           63262N         A/C SURVIV & VULNER         4         10,687         20,332         14,926         19,410           63261N         A/C SURVIV & VULNER         4         6,836         1,962         26,336         19,612           63313N         HAFERICK         4         6,386         12,386         26,726         69,396           63313N         HAFERICK         4         6,380         12,386         26,726         69,396           63313N         HAFERICK         4         6,380         7,347         41,510         61,650           63313N         HAFERICK         4         27,361         61,260         76,326         11,650           6332N         LOW COST ANTI-RADIATION SEEKER         4         27,361         61,260         76,326         11,650           6332N         SURFACE SHIP TORP DEF         4         27,361         61,181         11,163         13,663           6350N         SURFACE SHIP TORP DEF         4         2,366         4,366         27,441         34,463           6350N         SURFACE SHIP TORP DEF         4         1,274         4,366	O.	63260N	ABN MINE COUNTERMEASURES	4	14, 632	15,622	14, 146	18.525
63262N         AC SURVIVE WULNER         4         10,687         20,332         14,625         19,612           63313N         MAVERICK         4         6,936         1,962         25,726         69,396           63313N         MAVERICK         4         6,936         1,962         25,726         69,396           63313N         MAVERICK         4         6,936         1,962         25,726         69,396           63316N         PETRACT VELLOW         4         3,924         7,347         41,510         61,205           6332N         LOM COST ANTI-RADIATION SEKER         4         27,381         51,260         75,326         113,657           6332N         SUBMARINE ASM STDGIF WIN         4         27,381         51,260         75,326         113,657           6332N         SUBMARINE ASM STDGIF WIN         4         23,937         28,937         24,906         33,634           6352N         SUBMARINE ASM STDGIF WIN         4         23,937         22,414         30,463           6350N         SUFFACE MCM         4         23,937         22,414         30,463           6350N         SUFFALLS         AFPULTS         4         1,274         4,366           <	_	63261N		4	7, 495	9,950	906'9	19. 407 U
6335AN         COMBAT IDENT SYS         4         6,867         1,962         6,936         1,962         6,936         1,962         6,936         1,962         6,936         1,962         6,936         1,962         6,936         1,962         6,936         1,962         6,936         1,962         6,936         6,936         1,265         6,936         6,936         1,265         6,936         1,265         1,265         17,657         6,936         17,657         41,610         81,205         89,364         17,657         41,610         81,205         81,205         17,657         41,610         81,205         81,205         17,657         41,610         81,205         81,205         17,657         24,966         33,834         83,434         17,657         24,966         33,834         83,434         17,657         24,966         33,834         83,436         83,436         17,657         24,144         39,463         13,843         13,843         13,843         13,843         13,843         13,843         13,843         13,843         13,843         13,843         13,843         13,843         13,843         13,843         13,843         13,412         24,027         24,027         24,027         24,027         24,027         24,027	_	63262N	SURVIV &	4	10, 697	20, 332	14, 625	19.612 U
63313N         MAVER ICK         4         6,936         1,962         56,726         69,396           63313N         RETRACT YELLOW         4         8,380         12,356         25,726         69,396           6332N         ADV SURF/AIR MSSLE(ASAM)         4         3,924         7,347         41,510         81,205           6332N         LOW COST ANTI-RADIATION SEKER         4         27,381         51,260         75,326         117,657           6336AN         SUBMARINE ASW STOCFF WIN         4         27,381         51,260         75,326         117,657           6350AN         SUBMARINE ASW STOCFF WIN         4         27,381         51,260         75,326         117,657           6350AN         SURFACE MCM         4         29,937         29,927         24,908         113,657           6350AN         SURFACE SHIP TORP DEF         4         11,686         27,451         45,199         74,027           6350AN         SURFACE SHIP TORP DEF         4         11,274         4,386         74,027         6,630           6350AN         SHIPBOARD DAMAGE CONTROLL         4         12,483         15,427         26,793         6,793           6351SIN         ADV COMMAND DATA SYS         4 <td></td> <td>63267N</td> <td>COMBAT IDENT SYS</td> <td>4</td> <td>6,857</td> <td></td> <td></td> <td></td>		63267N	COMBAT IDENT SYS	4	6,857			
63316N         RETRACT YELLOW         4         9,360         12,356         25,726         69,360           63316N         ADV SURF/AIR MSSLE(ASAM)         4         3,924         7,347         41,610         61,205           63320N         LOW COST ANTI-RADIATION SEKER         4         27,381         51,260         75,326         117,657           6332N         SUBMARINE ASM STDGFF WPN         4         27,381         61,260         75,326         113,657           6352AN         SUBMARINE ASM STDGFF WPN         4         27,381         61,171         11,183         113,687           635CAN         SURFACE MCM         4         6,336         10,151         11,183         113,687           635CAN         SURFACE SHIP TORP DEF         4         6,117         21,087         22,414         39,483           635CAN         SHPBD INFO TRANSFER SYS         4         1,274         4,386         74,027         6,630           635CAN         SHIPBD SYS COMP DEV         4         1,274         4,386         21,427         26,790           635CAN         SHIPBD SYS COMP DEV         4         1,274         3,416         10,601           635CAN         SHIPBD SYS COMP DEV         4         1,274 <td><b>~</b></td> <td>63313N</td> <td>MAVERICK</td> <td>4</td> <td>6, 938</td> <td>1,962</td> <td></td> <td>· ¬</td>	<b>~</b>	63313N	MAVERICK	4	6, 938	1,962		· ¬
63326N         ADV SURF/AIR MSSLE(ASAM)         4         3,924         7,347         41,510           63326N         LOW COST ANTI-RADIATION SEKER         4         29,941         16,523         16,523           63326N         SUBMARINE ASW STDGFF WPN         4         27,381         51,260         75,328         1           63502N         SURFACE MCM         4         29,937         28,927         24,908         22,414           63502N         SURFACE SHIP TORP DEF         4         6,117         21,097         22,414           63505N         SUFFACE SHIP TORP DEF         4         11,274         4,388         3,418           63513N         SHIPBO SYS COMP DEV         4         12,483         15,343         21,427           63515N         SHIPBOARD DAMAGE CONTROL         4         17,576         18,163         32,320           63515N         ADV IDENTIFICATION TECH         4         2,212         466         5,980         2,596           63515N         ADV COMMAND DATA SYS         4         2,496         5,980         2,595		63315N	RETRACT YELLOW	4	9,350	12, 356	25, 728	0.396 U
6332ON         LOW COST ANTI-RADIATION SEEKER         4         27,381         59,941         16,523         1           63367N         SUBMARINE ASW STDGFF WPN         4         27,381         61,260         75,328         1           63362N         SUBMARINE ASW STDGFF WPN         4         6,336         10,161         11,183         11,183           63502N         SURFACE MCM         4         29,937         26,927         24,906         22,414           63502N         SURFACE SHIP TORP DEF         4         11,696         27,451         45,199           63503N         SHPBD INFO TRANSFER SYS         4         1,274         45,189         3,416           63512N         SHIPBD SYS COMP DEV         4         1,274         4,386         21,427           63513N         SHIPBD SYS COMP DEV         4         1,243         21,427         3,416           63515N         SHIPBD SYS COMP DEV         4         2,216         4,386         21,427           63515N         SHIPBD SYS COMP DEV         4         2,212         45,127           63516N         RADAR SURVEILLANCE EQUIP         4         2,212         4         2,427           63516N         ADV COMMAND DATA SYS         4	98	63318N	ADV SURF/AIR MSSLE(ASAM)	4	3, 924	7,347	41,510	81,205 U
63367N         SUBMARINE ASW STDOFF WPN         4         27,381         51,260         75,328           63862N         BOAAWC         4         6,336         10,151         11,183           63802N         SURFACE MCM         4         29,837         28,927         24,908           63802N         SURFACE MCM         4         11,686         27,451         45,189           63804N         SURFACE SHIP TORP DEF         4         11,686         27,451         45,189           63812N         SHPBD INFO TRANSFER SYS         4         2,276         4,386         3,416           63812N         SHIPBD SYS COMP DEV         4         1,274         4,386         3,416           63814N         SHIPBD AYS COMP DEV         4         17,576         16,163         32,320           63815N         ADV IDENTIFICATION TECH         4         2,212         4,386         5,390         2,595           63816N         ADV COMMAND DATA SYS         4         2,496         5,990         2,595	68	63320N	LOW COST ANTI-RADIATION SEEKER	4		29,941	16, 523	17.657 U
63362N         BOAAWC         6,336         10,151         11,183         13,986           63502N         SURFACE MCM         4         29,937         26,927         24,906         33,634           63502N         SURFACE MCM         4         11,698         27,097         22,414         39,463           63503N         SURFACE SHIP TORP DEF         4         11,698         27,451         45,199         74,027           63503N         SHPBD INFO TRANSFER SYS         4         1,274         4,386         74,027         5,830           63513N         SHIPBD SYS COMP DEV         4         1,274         3,416         10,801           63513N         SHIPBDARD DAMAGE CONTROL         4         12,483         15,343         21,427         26,733           63515N         ADV IDENTIFICATION TECH         4         2,212         18,163         32,320         50,471           63516N         ADV COMMAND DATA SYS         4         2,496         5,980         2,595         5,328	0	63387N	SUBMARINE ASW STDOFF WPN	4	27, 381	51,260	75, 328	113,657 U
63502N         SURFACE MCM         4         29,937         28,927         24,908         33,834           63504N         SUB SCHAR DEVEL (ADV)         4         8,117         21,097         22,414         39,463           63508N         SUFFACE SHIP TORP DEF         4         11,696         27,451         45,199         74,027           63508N         SHPBD INFO TRANSFER SYS         4         2,276         4,386         74,027         5,830           63512N         CATAPULTS         4         1,274         3,418         10,801         6,830           63513N         SHIPBD SYS COMP DEV         4         12,483         15,343         21,427         28,793           63515N         SHIPBDARD DAMAGE CONTROL         4         17,575         18,163         32,320         50,471           63515N         ADV IDENTIFICATION TECH         4         2,212         486         5,980         2,595         5,329           63515N         ADV COMMAND DATA SYS         4         2,496         5,980         2,595         5,329	<u>.</u>	63362N	BGAAWC	4	6, 336	10, 151	11,183	
63504N         SUB SONAR DEVEL (ADV)         4         9,117         21,097         22,414         39,463           63506N         SURFACE SHIP TORP DEF         4         11,696         27,451         45,199         74,027           63509N         SHPBD INFO TRANSFER SYS         4         2,276         4,386         5,830           63513N         SHIPBO ARPO DAMAGE CONTROLL         4         12,483         15,343         21,427         28,793           63513N         SHIPBOARD DAMAGE CONTROLL         4         17,576         18,163         32,320         50,471           63515N         ADV IDENTIFICATION TECH         4         2,212         486         5,980         2,596         5,329           63516N         ADV COMMAND DATA SYS         4         2,486         5,980         2,595         5,329	92	63502N	SURFACE MCM	4	29, 937	28,927	24, 908	
63506N         SURFACE SHIP TORP DEF         4         11,698         27,451         45,199         74,027           63509N         SMPBD INFO TRANSFER SYS         4         2,276         4,386         5,830           63512N         CATAPULTS         4         1,274         3,418         10,601           63513N         SHIPBD SYS COMP DEV         4         12,483         15,343         21,427         26,793           63514N         SHIPBDARD DAMAGE CONTROL         4         17,575         18,163         32,320         50,471           63515N         ADV IDENTIFICATION TECH         4         2,212         4         2,212         50,471           63516N         ADV COMMAND DATA SYS         4         2,496         5,980         2,595         5,329           63519N         ADV COMMAND DATA SYS         4         2,496         5,980         2,595         5,329	e 6	63504N	SUB SCINAR DEVEL (ADV)	4	6,117	21,097	22, 414	39.463 U
63509N         SHPBD INFO TRANSFER SYS         4         2,276         4,386         5,830           63512N         CATAPULTS         4         1,274         3,418         10,601           63513N         SHIPBD SYS COMP DEV         4         12,483         15,343         21,427         28,793           63514N         SHIPBGARD DAMAGE CONTROL         4         17,575         18,163         32,320         50,471           63515N         ADV IDENTIFICATION TECH         4         2,212         4         63,980         5,980         5,329           63515N         ADV COMMAND DATA SYS         4         2,496         5,980         2,595         5,329           63519N         ADV COMMAND DATA SYS         4         2,496         5,980         2,595         5,329	<b>Q</b>	63506N	SURFACE SHIP TORP DEF	4	11,698	27.451	45. 199	
63512N         CATAPULTS         4         1,274         3,418         10,601           63513N         SHIPBD SYS COMP DEV         4         12,483         15,343         21,427         28,793           63513N         SHIPBD SYS COMP DEV         4         17,575         18,163         32,320         50,471           63515N         ADV IDENTIFICATION TECH         4         2,212         50,471           63516N         RADAR SURVEILLANCE EQUIP         4         4,486           63519N         ADV COMMAND DATA SYS         4         2,496         5,980         2,595         5,329	10	63509N		4	2,276	. 386		
63513N         SHIPBD SYS COMP DEV         4         12,483         15,343         21,427         28,793           63514N         SHIPBCARD DAMAGE CONTROL         4         17,575         18,163         32,320         50,471           63515N         ADV IDENTIFICATION TECH         4         2,212         4         486           63516N         RADAR SURVEILLANCE EQUIP         4         2,496         5,389         5,329           63519N         ADV COMMAND DATA SYS         4         2,496         5,329         5,329	96	63512N	CATAPULTS	4	1.274	•	6 41 41	
63514N         SHIPBGARD DAMAGE CONTROL         4         17,575         18,163         32,320         50,471           63515N         ADV IDENTIFICATION TECH         4         2,212         4         466           63516N         RADAR SURVEILLANCE EQUIP         4         2,496         5,980         2,595         5,329           63519N         ADV COMMAND DATA SYS         4         2,496         5,980         2,595         5,329	28	63513N	SHIPBD SYS COMP DEV	٦			7 7	
63515N ADV IDENTIFICATION TECH       4       2,212       50,471         63515N ADV COMMAND DATA SYS       4       2,212       50,471         63519N ADV COMMAND DATA SYS       4       2,496       5,980       2,595       5,329		63514N	SHIPBGARD DAMAGE CONTROL	. 4	1 1 10	2 (c) 2 (c) 2 (c)	776 (17	
63516N RADAR SURVEILLANCE EQUIP 4 486 63519N ADV COMMAND DATA SYS 5,329 PAGE N-5	66	63515N	ADV IDENTIFICATION TECH	r v		, 0 1	32, 320	
63519N ADV COMMAND DATA SYS 4 2,496 5,329 5,329	100	63516N	RADAR SURVEILLANCE EQUIP	4	7 4			<b>:</b>
PAGE N-5		63519N	ADV COMMAND DATA SYS	4	2, 498	5,980	2, 595	
				•		PA		

DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

DATE: 04 FEB 1985 EXHIBIT R-1 APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

1 1 1	•	4 1 4 1 1 1 1 4 4 1 1 1 1 1 1 1 1 1 1 1	 	• • • • • • • • • • • • • • • • • • •		THOUSANDS OF DOLLARS	JF DOLLARS
L N O	PROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1984	FY 1988	FY 1986 FY 198	FY 1987 C
102	63522N	SUB ARCTIC WE/SPT EQUIP PR	4	2, 253	10,285	9, 748	20, 310 U
103	63525N	PILOT FISH	4	92, 752	119, 231	93, 964	76,561 U
104	63528N	NON ACGUSTIC ASW	4	12, 394	22, 278	22, 104	36,998 U
105	63529N	ADV ASW TARGET	4	2, 303	15, 857	12,646	10,502 U
108	63532N	SHIP SYS ENGR STDS	4	4, 429	4,801	4,673	4,708 U
107	63536N	RETRACT JUNIPER	4		10, 636	25, 368	26, 459 U
108	63539N	RETRACT AMBER	4	1,846			Þ
109	63542N	RADIGLOGICAL CONTROL	4		1,663	3, 585	3,200 U
110	63550N	LINK DOGWOOD	4	5, 887	19,687	26, 247	<b>5</b>
111	63553N	SURFACE ASW	4	6, 434	17,642	17,649	43,025 U
112	63560N	SUB HULL ARRAY DEV (ADV)	4	15, 522	11, 529	13, 206	25, 478 U
113	63561N	ADV SUB SYS DEVEL	4	81, 363	152, 790	180, 586	168,663 U
114	63562N	SUB TAC W/F SYS (ADV)	4	15,004	20, 631	23, 171	27,729 U
115	63564N	SHIP DEVELOPMENT (ADV)	4	18, 314	15,948	14, 639	30,037 U
118	63565N	SURF SHIP NAVIG SYS	4			2,841	0,791 U
117	63566N	AMPHIB ASSLT CRAFT	4	6, 291			5
118	83589N	ATTACK SUBMARINE DEV	4	10, 735	21,947	33, 139	42,068 U
1 9	63570N	ADV NUC REACT COMP SYS DEV	4	26, 497	70,803	120,175	95,846 U
120	83571N	SHIBD PHYSICAL SECURITY	4	5, 235	5, 109	3, 703	8,722 U
121	63576N	CHALK EAGLE	4	14,259	51,912	68, 783	80,736 U
122	63578N	A4W/A1G NUC PROP PLNT	4	12, 193	5,705	3, 327	5, 869 U

PAGE N-6

UNCLASSIF 1ED

EXHIBIT R-1

DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

			FY 1986	R D T & E PROGRAM	Σď	X	EXHIBIT R-1
APPR	APPROPRIATION:	: 1319 N RESEARCH DEVELOPMENT TEST + EVAL	NAVY			DATE: 04	EB
	PROGRAM					THOUSANDS OF DOLLARS	1 .
N N N N N N N N N N N N N N N N N N N	ELEMENT	I TEM NOMENCLATURE	ACT			FY 1986	下午 1987 6
123	63582N	COMBAT SYSTEM INTEGRATION	4	14,844	21,516	22, 383	
124	63589N	DDG-51	4	110, 224	118,735	100, 836	88,788 U
125	63591N	JOINT ADV SYS	4	111,853	137,095	132,348	80,053 U
126	63601N	MINE DEVELOPMENT	4	808 '8	068	1,964	4,815 U
127	63610N	ALWT (ADV)	4	4,050		10, 113	17,853 U
128	63611M	MC ASSAULT VEHICLES	4	62, 884	36, 871	10,407	11,197 U
129	63634N	TAC NUC DEVELOPMENT	4	5,314	7, 338	9, 721	18,028 U
130	63635M	GRD COMBAT/SUPP ARMS SYS	4	5, 796	5, 181	17, 129	21,398 U
131	63702N	OCEAN ENGR SYS DEV	4	2, 163	2, 269	1,380	2,033 U
132	63705N	Logistics	4	828	932		<b>.</b>
133	63708N	ANTI SUB W/F SIGN PROC	4	4, 499	14, 167	15, 535	19,779 U
134	63711N	FLEET TAC D&E PROGRAM	4	5, 160	6, 201	3, 880	9,198 U
135	63717N	COMMAND & CONTROL SYS(ADV)	4	28, 598	18, 801	42,973	67,875 U
136	63719N	CONTAINER OFFLOAD & TRNSFR SYS	4	1,744	1,470	1,515	2,927 U
137	63724N	NAVY ENERGY PROGRAM (ADV)	4	23, 393	20,057	18,576	23, 353 U
138	63725N	FACILITIES IMPROV	4	4, 833	6,989	7,279	10, 643 U
139	63726N	MERSHIP NAV AUX PROG	4	4, 716	5,947	6,031	6,939 U
140	63729M	COMBAT SERVICES SUP (ADV)	4	7, 233	4,678	920 6	15,517 U
14	63730M	MC INTELL/ELEC WARFARE SYS	4	2, 921	8, 231	70	387 U
142	63734N	CHALK CORAL	4	6, 683	5, 392	3, 039	J
143	63736N	STRIKE WARFARE	4	1,398	589		3
			_	INC. ASSIETED	ā.	PAGE N-7	

# DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

DATE: 04 FEB 1985 EXHIBIT R-1 APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

APPR	<b>GPRIATION</b>	1319 N RESEARCH D	XAV			DATE: 04	DAIE: U4 FEB 1863
1 1			           	1 1 1 1 1 1 1 1 1 1 1	•	THOUSANDS OF DOLLARS	DOLLARS
2 	PROGRAM		•		L		,
2		ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
144	63737N	LINK HAZEL	4	37,730	45, 500	23, 564	40,218 U
145	63740N	LINK LAUREL	4		30,000	35, 345	7,367 U
148	63743N	ARIADNE	4			2, 185	9,834 U
147	63744N	LINK SPRUCE	4		8, 500	67, 352	127, 521 U
148	63746N	RETRACT MAPLE	4		5, 600	8,247	18,147 U
149	63763N	NCCS SERI	4	11, 603	10, 325	7, 181	8,026 U
150	63784N	ASW SURVEILLANCE	4	3,000	8, 538	19, 458	25, 521 U
15	63785N	LRAP	4	9, 153	10, 538	15, 678	18,915 U
152	63787N	SPECIAL PROCESSES	.4	58, 488	69, 519	49, 532	42,189 U
153	63788N	RDSS	4	16, 197	10,648	15, 380	20,822 U
154	64203N	AVIONICS DEV	4	8, 409	11,337	14,965	22,346 U
155	64211N	IFF SYS DEV	4	8, 435	12,003	17, 477	14,767 U
156	64212N	LAMPS 111	4	7, 102	14,473	16,006	12,029 U
157	64213N	HELICOPTER DEVELOPMENT	4	32, 489	13, 324	7, 902	13,357 U
158	64214N	AV8B (ENG)	4	104,046	71,545	72,078	84,070 U
139	64215N	SUPPORT EQUIPMENT	4	6, 548	12, 583	16,428	40,049 U
160	64217N	6-3 WPN SYS IMP 8-3( )	4	59, 032	33, 205	15, 955	12,191 U
181	64218N	AIR GCEAN EQUIP END	4	1,345	2,498	2, 468	2,551 U
162	64219N	ABN ASW DEVELOPMENTS	4	19, 025	19, 406	6, 136	2,326 U
163	64220N	A/C IR SION SUPPRESSION	4	1,391	5, 555	3,945	1,389 U
184	64221N	P-3 MODERNIZATION PROG	4	8,971	29, 814	48, 725	78, 003 U
	٠		•	1	-	PAGE N-8	

DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

DATE: 04 FEB 1985 EXHIBIT R-1 APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

	PAGE N-9	<u>a</u>	CHIPTON			
38,096 U		26, 688	30, 845	4	VLS ASRGC	64355N
30,497 U	13, 589		3,071	4	AAM SYSTEMS ENGINEERING	64354N
38,241 U	29, 566	43, 478	44, 899	4	VERTICAL LAUNCHING SYS	64353N
1,488 U		1,387	1,384	4	S/L WPNRY SHIP SYSTEMS	64352N
34,487 U	17,051	16,627	6,073	4	АМКААМ	64314N
6,589 U	13, 636	18, 579	7,729	4	LINK ASH	64308N
44, 618 U	48, 506	44, 754	53,658	4	CG-47 PRODUCT IMPROVEMENT	64307N
12,629 U	11,081	13, 565	12,308	4	AEGIS AREA AIR DEF	64303N
4,939 U	13, 326	15, 100	72, 593	4	MK92 FC3 UPGRADE	64301N
98,959 U	65, 843	81,595	63, 235	4	A/C ENGINES COMP IMP PROG	64268N
<b>5</b>			2, 481	4	AWG-9 UPDATE	64267N
33,849 U	32, 809	11, 799	9,687	4	AVIATION LIFE SUPT SYS	64264N
64, 159 U	42, 630	25, 426	22, 476	4	ACCUSTIC SRCH SENSRS (ENG)	64261N
1, 609 U	2, 300	13, 102	28, 779	4	C/MH-53E	64260N
55, 509 U	40, 275	20, 932	16,055	4	EW SIMULATOR DEV	64255N
25, 143 U	44,866	25, 856	9,213	4	A/C PROPULSION (ENG)	64252N
2,802 U	12, 722	20,080		4	CV 12 ASW HELD	64229N
<b>5</b>			18, 373	4	SH-60 CV VARIANT	64228N
17,592 U	24, 985	40, 260	42, 698	. <b>प</b>	ASPJ	64226N
<b>5</b>			7, 588	4	ADV RADAR WARNING	64225N
77, 358 U	62, 298	42,089	3, 336	4	ABN EW ENG	64224N
FY 1997 CF	FY 1986	FY 1985	FY 1984	ACT	ITEM NOMENCLATURE	LINE ELEMENT NO NUMBER
JF DOLLARS	THOUSANDS OF			1		PROGRAM

DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

JRAM EXHIBIT R-1

9,072 U 37,079 U 28,572 U 87,339 U 1,963 U 15,319 U 20,870 U 115,520 U 715 U 8,146 ∪ 23,886 U 54, 202 U 59,878 U 5,616 U 58,785 U 8, 839 U 8,281 U 17, 166 9,622 FY 1987 DATE: 04 FEB 1985 THOUSANDS OF DOLLARS FY 1986 9, 756 54,034 10,948 6, 330 5,904 7,812 29, 204 8,047 47, 185 88, 798 25, 699 4,426 40, 299 20, 335 6,079 99, 277 2,909 901 19,429 4,107 61,587 1,064 7,349 29, 276 39, 751 2,846 2, 392 7,071 5,001 30, 373 FY 1985 4,912 49,998 20,803 11,645 8,232 40, 693 74, 421 4,690 53,876 7,610 31,669 8,640 4, 538 1,522 4,479 4,648 7,879 2,708 24,438 1,230 31,393 47,503 4,801 56, 489 FY 1984 17,107 128,644 26,877 ACT APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY ITEM NOMENCLATURE 5'' ROLLING AIR FRAME MSLE STANDARD MSL IMPROVEMENTS SUB SURV EQUIP PROG (ENG) RADAR SURVEILLANCE EQUIP SUB SONAR DEVELOP (ENG) BR/CW COUNTERMEASURES INTELLIGENCE SYSTEMS COMMUNICATIONS SYS SHIP SURVIVABILITY NEW THREAT UPGRADE NATO SEA SPARROW AIR CONTROL ENG SUBMARINE COMM CIC CONVERSION CIWS (PHALANX) ADV TACT RAD SSN-688 VLS HELLF I RE TOMAHAWK SM-2 (N) EMSP PROGRAM ELEMENT NUMBER 64358N 64361N 64365N 64366N 64367N 64370N 64371N 64372N 64502N 64504N 64506N 64507N 84508N 84509N 84510N 64511N 84515N 6451BN 64518N 64369N 64503N LINE 208 194 199 200 203 204 202 188 187 188 190 193 195 196 197 198 202 189 192 191 201

PAGE N-10

# DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

APPRO	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT TEST + EVAL,	NAVY			DATE: 04	04 FEB 1985
 	PROGRAM					HOUSANDS	. eo
S S	ELEMENT	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1967 C
207	64520N	SUB HULL ARRAY DEV (ENG)	4		14, 500	25,974	<b>52, 100 U</b>
208	64524N	SUBACS (ENG)	4	92, 795	169,047	205, 205	292,022 U
208	64554N	SURFACE E/W	4	5, 141			<b>5</b>
210	64561N	SUBMARINE (ENG)	4	1,921			ם
211	64562N	SUB TAC W/F SYSTS (ENG)	4	46,945	41,529	49, 798	61,023 U
212	64563N	SMPBD PHYS SECURITY (ENG)	4	2, 436	2, 336	4,617	6,275 U
213	64567N	SHIP SUBSYS DEV/LBTS	4	79, 583	87, 592	89, 418	102, 720 U
214	64569N	NATO SEA GNAT	4	3,924	1,792	2, 284	<b>5</b>
215	64573N	SMPBD EW IMPROV	4	12,386	44, 535	63, 776	63, 504 U
216	64574N	TACT EMBEDDED COMP PROG	4	16,864	9, 429	19, 169	28,054 U
217	64575N	AN/SGS-53C	4	47,944	50, 233	37,713	19,374 U
218	64578N	LINK BIRCH	4	5, 169	7,458	4,078	196 U
219	64601N	MINE DEVEL (ENG)	4	13, 772	13,747	9,367	16,274 U
220	64602N	NAVAL GUNNERY IMPROVEMENT	4	5, 109	4,617	15,870	21,920 U
221	64603N	UNGUIDED CONVENT A/L WPNS	4	14, 356	4, 170	4,678	3,911 U
222	64604N	C/W WEAPONS	4	9, 469	2, 122		J
223	64608N	SAL GP/EG SENS DEVEL	4	30, 447	39, 708	48,717	26,724 U
224	64609N	BOMB-FUZE IMPR	4	202	6,304	5,872	4,834 U
225	64610N	MK 50 TORP (ALWT)	4	139, 389	146,343	156, 290	152,072 U
226	64654N	JOINT SERV EOD DEV (ENG)	4	3,174	4,012	4, 405	4,915 U
227	64656M	MC ASSAULT VEHICLES	4		11,619	45, 853	63,273 U
			CNI	CAL ASSIETED		PAGE N-11	

DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

		-					
APPR	APPROPRIATION:	: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY	<b>^</b> ^			DATE: 04	04 FEB 1985
	2000					THOUSANDS OF	DOLLARS
L N O	ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
228	64657M	GRD COMBAT/SUP ARMS SYS	4	11,843	2, 928	9, 686	13, 493 U
229	64675N	MK 48 ADCAP (ENG)	4	173, 224	126, 623	63, 470	34, 906 U
230	64704N	ASW CCEANGGRAPHIC EQUIP	4			206	1,333 U
231	64705N	CHALK BANYAN	4	5,000	5,000	5,826	5,801 U
232	64710N	NAVY ENERGY PROGRAM (ENG)	4	21,906	11, 185	8, 799	12,755 U
233	64711N	COMMAND & CONTROL SYS(ENG)	4	19, 384	54, 790	66, 173	58, 936 U
234	64713N	TACTAS (AN-SGR-19)	4	3, 589		16, 200	40,512 U
235	64714N	AIR W/F TRAINING DEV	4	10,985	3, 098		Þ
238	64715N	SURFACE W/F TRAINING DEV	4	24, 494	28, 817	25, 821	32, 813 U
237	64716N	SUBMARINE W/F TRAINING DEV	4	577	483		J
238	64717M	COMBAT SERVICES SUPP	4	4,087	3, 361	3, 638	4,641 U
239	64718M	INTELL/ELECT W/F SYS	4	3, 330	5,647	14, 159	9,252 U
240	64719M	COMMAND/CONT/COMM SYS	4	19, 151	27, 450	18, 906	22, 638 U
241	64720M	TAC AIR OPER CENTRAL 85	4	7, 480	5, 356		<b>5</b>
242	64725N	REGICNAL TACTICAL SURV	4	27, 807	31,723	56, 225	35, 568 U
243	64781N	INTELLIGENCE (ENG)	4	12,086	908 '6	12, 421	7,287 U
244	64771N	MEDICAL DEV (ENG)	4	1,814	2, 387	1, 380	3,349 U
245	64779N	JINTACCS	4	7, 832	3,912	5, 622	4,471 U
246	64780M	JINTACCS MC	4	6, 182	5, 229	2,945	3, 531 U
247	64789N	SURV TOWED ARRAY SENSOR	4				3,242 U
248	65155N	FLT TACT D&E	4	16, 521	14,718	17, 197	19, 662 U
					A A	PAGE N-12	
			CZ				

# DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPRC	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT TEST + EVAL,	NAV∀			DATE: 04	04 FEB 1985
				1		THOUSANDS OF DOLLARS	DOLLARS
л 2 2 6	PROGRAM Element Number	ITEM NOMENCLATURE	ACT	FY 1994	FY 198	F.	Y 1987
249	65803N	EMI AND SPECTRUM CONTROL	4	3, 797	4,113	3, 670	4,481 U
280	65853N	MANAG & TECH SUPPORT	4	9, 850	11,331	11,063	16,012 U
251	65867N	C2 SURV/RECONN SPT	4	3,644	4, 799	3, 979	5,047 U
252	65871M	MC TAC EXPLOIT NAT CAP	4	437	427	416	651 U
253	24134N	A6 SQUADRONS	4	8, 515	21,741	19, 205	4,077 U
254	24136N	F/A-18 SQUADRONS	4	19, 794	29, 914	58, 314	92,629 U
202	24152N	EARLY WARNING ACFT SQDNS	4	50, 328	37, 429	23, 666	35,438 ∪
256	24161N	AVIATION SUPPORT CVW	4	8,814	2,978	1,785	7,322 U
257	24163N	FLT TELECOM (TAC)	4	31, 552	50,249	72, 697	96,094 U
258	24243N	LAMPS	4				12,573 U
259	24281N	SUBMARINES	4	7,300	5, 399	3,756	2,202 U
260	24304N	MINES & MINE SUPPORT	4	15			כ
261	24311N	UNDERSEAS SURVEILLANCE SYS	4	48,241	27,819	25, 217	32,985 U
262	24313N	SURTASS	4	478	3, 743	2, 186	5,468 U
263	24571N	SPECIAL PROJECTS	4	18,627	18, 683	20, 513	8,773 U
264	24573N	NAVY COVER & DECEPT PROG	4	16,249	24, 904	25, 584	30,058 U
265	24575N	ELECTRONIC WARFARE SPT	4	6, 982	11,035	8, 573	8,082 U
266	24576N	COUNTER C3 DEV	4	10, 271	27,823	22, 563	33, 521 U
267	25601N	HARM IMPROVEMENT	4	8, 497	4, 252	2, 636	2,637 U
268	25604N	JTIBS	4	109, 718	141,690	184,846	194,459 U
269	25620N	ASW COMBAT SYS INTEG	4	15, 446	11,960	12,271	28,702 U
			ONIT	UNC. ASSIFIED	_	PAGE N-13	

UNCLASSIFIED

DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

 13,789 U 32,068 U  $\supset$ 2 ⊃ M O 3, 433 9, 190 2, 250 53, 908 4,406 252, 465 50, 299 14,888 45, 509 7,780 2, 197 11,141 FY 1987 THOUSANDS OF DOLLARS DATE: 04 FEB 1985 1,449 1,163 1,456 3, 587 43, 600 4,094 7,852 12,719 39,064 FY 1986 31,638 7,682 8, 158 348,065 80, 168 2,033 2, 253 3,077 12, 791 578 7, 596 277, 149 35,818 4,830 25,818 24,964 FY 1985 29, 298 6,364 40,640 1,910 17,789 2, 554 3, 359 7,027 3, 704 5,682 2,755 4, 589 14, 364 1,040 1,409 14,464 15, 763 23, 394 FY 1984 ACT APPROPRIATION: 1319 N RESEARCH DEVELCPMENT TEST + EVAL, NAVY ITEM NOMENCLATURE SURF SHP SONAR MODRNIZATN INTELL/ELECT WARFARE SYS TACTICAL INTELL PROC SUP GRD COMBAT/SUP ARMS SYS MODULAR GUIDED WPN IMPR A/C PROPULSION EVAL GEN CPERATIONAL REACTOR DEV ACFT EG REL/MAINT PROG COMMAND/CONT/COMM SYS M/C TECH SUPT C/C SYS MARINE CORPS TELECOM SUBMARINE SILENCING COMBAT SERVICES SUP EW COUNTER RESPONSE LAB FLEET SUPPORT F-14 D 26627M PROGRAM ELEMENT NUMBER 26625M 26626M 25623N 25633N 25658N 25687N 25670N 25674N 25675N 26313M 26623M 26624M 25634N 25645N 25662N LINE 280 283 284 285 270 271 274 275 278 277 278 279 281 282 Š

9,050 U

11,939

17,371

14,486

TRI-TAC-MC

28010M

286

UNCLASSIFIED

PAGE N-14

# DEPARTMENT OF THE NAVY FY 1966 R D T.& E PROGRAM

EXHIBIT R-1

APPR	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT TEST + EVAL,	NAVY	:		DATE:	1985
	PROGRAM					THOUSANDS OF DOLLARS	! ! ! !
Z N M	NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 198		87
287	28010N	TRI-TAC-NAVY	4	4, 952	3, 892		5
	TACTIC	TACTICAL PROGRAMS		3,916,887	4,875,230	6, 160, 962	6, 678, 427
288	63516N	ADV NAVIG DEVELOPMENT	ю	480	687	1,941	975 U
288	64514N	NAVIGATION SYSTEMS	<b>ю</b>	2,342	670	920	3,052 U
290	64577N	EHF SATCOM	ю	64,004	73, 619	45, 437	27,104 U
291	64777N	NAVSTAR GPS	ιΩ	59,879	62, 824	70,079	92,864 U
292	65866N	C2 SYSTS PLAN/ENG SUPP	Ю	4, 167	5,820	5, 466	5,818 U
293	31303N	FIELD OPER INTELL OFFICE	ю				
294	31326N	PRAIRIE SCHÖÖNER	ю			•	
120	31327N	TECH RECGNN AND SURV	ю				
296	33109N	SATELLITE COMMUNICATIONS	ю	8, 564	11, 305	17,973	14,982 U
297	33126N	LONG HAUL COMM(DCS)	ю	1,153			כ
298	33401N	COMSEC	ю				
29	33603N	MILSTAR JOINT PROJ OFFICE	ю	,		4,418	4,414 U
300	34111N	SPECIAL ACTIVITIES	Ю			,	
	INTELL	INTELLIGENCE AND COMMUNICATIONS		345, 400	423, 109	704,007	756, 984
301	64208N	RANGE INST & SYS DEV	ဖ	9, 403	8,986	8, 382	9,867 U
305	64258N	TARGET SYSTEMS DEV	ဖ	56,003	81,444	109,012	141,843 U
303	64703N	TRNG & PERS SYS DEV	ဖ	3,994	4,629	3,086	3,575 U
304	65151M	STUDIES & ANAL SUP/MC	ဖ	952	1,832	1,785	1,843 U
			ONO	UNCLASSIFIED	<b>L</b>	PAGE N-15	

UNCLASSIFIED

DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

1,192 U 60,253 U 4,298 ∪ 4,138 U 22,916 U 2,093 U 3,086 U 4,254 U 2,620 U 10,150 U 73,134 U 22, 780 U 93,256 U 312,997 U 6,929 U 1,719 U 53, 901 U FY 1987 THOUSANDS OF DOLLARS DATE: 04 FEB 1985 EXHIBIT R-1 3,714 2,317 3,958 66,278 84, 293 2, 855 1,146 2, 436 5, 268 20, 321 3,977 51,914 294, 480 6, 503 55, 975 FY 1986 21,813 2,744 PAGE N-16 2,618 3,946 1,766 5,644 1,402 2,960 6, 282 25, 200 2,173 56,748 18,832 78,635 21,485 FY 1985 43, 197 15, 425 198, 861 10,672 61,370 2, 865 5, 539 4,055 1,052 5, 936 1,009 12, 297 1,772 2,495 2,642 507 1,637 95, 439 23,216 264, 605 FY 1984 45,043 ACT APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY ITEM NOMENCLATURE DEF METECROLOG SATELL PROG CENTER FOR NAVAL ANAL/NAVY DEVELOPMENT CENTER SUPPORT SML BUSINESS INNOVATN RES RDT&E SHIP & AIRCRAFT SPT RDT&E LAB & FAC MGMT SPT RDT&E INSTRUM & MATL SPT PRODUCTIVITY IMPROVEMENT STUDIES & ANAL SUP/NAVY INTERNATIONAL RDT&E TECH INFO SERVICES MC OPERATIONAL TRE TEST AND EVAL SPT MOBILE SEA RANGE WEATHER SERVICE OTRE CAPABILITY AUTEC MCCAG PROGRAM ELEMENT NUMBER 65152N 65153M 65154N 65156M 65502N 65804N 65854M 65861N 65862N 65863N 65865N 35111N 35160N 65852N 65857N 65859N 65864N 65872N N N N 302 310 312 313 314 315 316 317 322 306 307 308 308 31 321

DEPARTMENT OF THE NAVY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

1	•	FIO	<b>5</b>	
	THOUSANDS OF DOLLARS	FY 1967 C	90,049 U 926,893	11, 808, 351
DATE: 04 FEB 1985	THOUSANDS	FY 1986	72, 426	11, 264, 300
; ; ; ; ; ; ; ; ; ;	THOUSANDS OF DOLLARS	FY 1985	50, 495 728, 298	9, 274, 106
TEST + EVAL, NAVY	f 1 2 6 1 1 1 1	FY 1984	612, 403	7, 629, 418
AL, NAVY	•	ACT	<b>9</b>	
RESEARCH DEVELOPMENT		ITEM NOMENCLATURE	78011N MANUFACTURING TECH DEFENSEWIDE MISSION SUPPORT	RESEARCH DEVELOPMENT TEST + EVAL, NAVY
APPROPRIATION: 1319 N	PROGRAM EL EMENT	NUMBER	78011N P	
APPRO	2	Ž	323	TOTAL

PAGE N-17

AIR FORCE	PROGRAM
₹	W
프	<b>જ</b>
P	<b>₹</b>
DEPARTMENT	FY 1986 F

į	Σ
•	⋖
:	œ
)	0
	Ð
	œ
•	₽.
•	
	ш
į	ಳ
-	H
5	٥
	œ
	1986 RDT&EPROGRAM
•	-

EXHIBIT R-1

	MMAR		DATE: 0	FEB 198
; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;			THOUSANDS	F DOLLARS
	F	FY 1985	FY 1986	FY 1987
SUMMARY RECAP OF RESEARCH CATEGORIES				
	192, 145	203, 571	230, 028	272,654
EXPLORATORY DEVELOPMENT		544,984	3, 249, 742	4, 135, 653
ADVANCED DEVELOPMENT ENGINEERING DEVELCPMENT	5, 875, 305	5, 445, 313	4, 734, 313	4, 430, 501
MANAGEMENT AND SUPPORT	834,	843,	926,922	1,035,925
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 8)	802,93	177,97	9, 736, 190	544,21
OPERATIONAL SYSTEMS DEVELOPMENT	3, 472, 273	4, 328, 268	5,842,310	6,026,004
TOTAL RESEARCH DEVELCPMENT TEST + EVAL, AF	, 275,	6,2	15, 578, 500	16, 573, 094
SUMMARY RECAP OF BUDGET ACTIVITIES				
1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	737.899	748, 555	825, 213	942, 131
一世にコンロし しょうに まってい ファンドー カリカストン	446, 369	516,410	713,971	858, 951
STRATEGIC PROGRAMS	514,	766,	743,	6, 283, 962
TACTICAL PROGRAMS	284,	729,	792,	3,990,048
INTELL DENCE AND COMMUNICATIONS	1,594,831	1,848,626	2, 362, 632 2, 120, 562	2. 173. 468
DEFENSEMEDE MISSION SUPPORT				
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AF	, 275, 20	13, 506, 247	15, 578, 500	16, 573, 094
	418.417	370, 498	726,076	666,117
のことのように しこうしょうしょう こうじょうしょう アンドラ しょうしゅうしゅう アンドラ しょうしゅう アンドラ かいしゅう マン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン・アン	635, 563	872, 537	1,228,162	1, 252, 461
INTELLIBENCE AND COMMUNICATIONS	2, 328, 093	2, 969, 002	,672,	898
AIRLIFTSEALIFT	20, 639	35,	69	42,
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	aì a	9, 177, 979	9, 736, 190	10,544,710 1339,850
CENTRAL SUPPLY AND MAINTENANCE	63, 636 2 846	,0,080 ,000 ,000	, io	ģ
TRAINING MEDICAL AND CITHER	•	200	1,174	1,469
	2, 857	2,842	'n	່ຕັ
		1 6		47.00
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AF	12, 275, 206	13, 506, 247	15, 578, 500	ָ 2

PAGE F-1

DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

EXHIBIT R-1

900						5	ובא וומוטער
L ;	NOT 14 14 10		AF	;		DATE: 04	04 FEB 1985
			!	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		THOUSANDS OF DOLLARS	F DOLLARS
 	NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
-	61101F	IN-HOUSE LAB INDEPENDENT RESEARCH	-	13,069	15,000	17, 444	21,167 U
C)	61102F	DEFENSE RESEARCH SCIENCES	-	179,076	188, 571	206, 334	238,987 ∪
ო	61103F	UNIVERSITY RESEARCH			•	6, 250	12, 500 U
4	62101F	GECPHYSICS	-	41,347	37,086	38, 614	42, 481 U
Ю	62102F	MATERIALS	<b>-</b> -	47, 544	49,900	54, 769	61,865 U
0	62201F	AEROSPACE FLIGHT DYNAMICS	-	61,952	64, 193	67, 545	74, 909 U
^	62202F	AEROSPACE BIOTECHNOLOGY	-	42, 954	45,000	50, 840	57,262 U
Φ	62203F	AEROSPACE PROPULSION	-	56, 216	58,088	62, 608	70,797 U
<b>G</b>	62204F	AEROSPACE AVIONICS/VHSI CIRCUITS	-	70, 188	72,510	74, 806	83,342 U
0	62205F	TRAINING/SIMULATION TECH	-	22, 632	23,040	25, 236	28,730 U
=	62206F	CIVIL ENGINEERING & ENVIRONMENTAL GA	-			7, 125	8,278 U
<u>~</u>	62302F	ROCKET PROPULSION	-	35, 400	34, 500	41,661	47,228 U
13	62601F	ADVANCED WEAPONS		48, 354	36, 894	37,020	43, 352 U
<u>-</u>	62602F	CONVENTIONAL MUNITIONS	-	39, 408	42, 820	44, 819	50, 490 U
<u>.</u>	62702F	COMMAND/CONTROL/COMMUNICATION		72,679	73, 124	80,720	90,200 U
16	62703F	PERS UTILIZATION TECH	-	7,080	7,829	9, 421	10, 543 U
	TECHNOLOGY	ÖGY BASE		737, 899	748, 555	625, 213	942, 131
17	63106F	LOGISTICS RESEARCH & DEV ROMTS	Ø	2,985	5, 248	12, 736	21,859 U
18	63107F	AUTOMATION OF TECHNICAL INFORMATION	C4			5, 382	4,993 U
19	63202F	ACFT PRØPULSIØN SUBSYS INTEGRATION	81	24, 725	26,819	27, 493	35, 489 U
50	63203F	ADV AVIONICS FOR ACFT	αı	21,800	20,000	22, 651	31,205 U
			ONO	UNCLASSIFIED	Δ.	PAGE F-1-a	

#### UNCLASS IF 1 ED

DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

EXHIBIT R-1

⊃ 17,843 U ) ) **>** ⊃ 26,524 U ⊃ **>** ⊃ ⊃ 8,094 U > 10,861 U  $\supset$  $\supset$ コ E O 9, 790 6, 195 8, 782 26, 382 10,398 8, 995 18, 147 3, 508 26,026 1,732 27,419 37, 143 33, 713 10, 556 FY 1987 THOUSANDS OF DOLLARS 04 FEB 1985 4,410 26, 363 1,409 1,209 7,877 0,763 3,278 7,480 12,754 22, 276 6,381 4,671 1,947 36, 327 DATE: 29, 626 9,182 23, 596 FY 1986 22, 884 18,954 1,094 2,000 3, 289 8,055 7,486 3,931 20,750 30,000 15,417 10,200 15,617 10,938 FY 1985 8, 323 25, 302 1,273 13,000 22,649 4,402 24, 532 7,762 8, 236 4,975 23,950 998'9 11,664 22, 903 FY 1984 ACT N N Q N N Ą APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, DOD COMMON PROG LANGUAGE (ADA) ADV DEV CARTOO APPLICATIONS-TAC & STRAT SYS RECON SENSORS/PROCESSING TECHNOLOGY ADVANCED TECHNOLOGY CRUISE MISSILE ADV MSL SUBSYSTEMS DEMONSTRATION ADVANCED SYSTEM INTEGRATION DEMO ADV TURBINE ENGINE GAS GENERATOR AVIATION TURBINE FUEL TECHNOLOGY AEROSPACE STRUCTURES/MATERIALS ACFT NON-NUCLEAR SURVIVABILITY SPACE & MSL ROCKET PROPULSION ADVANCED SIMULATOR TECHNOLOGY ADV FIGHTER TECH INTEGRATION ITEM NOMENCLATURE CREW SYSTEMS TECHNOLOGY FLT VEHICLE TECHNOLOGY WEAPON SYSTEM POWER LINCOLN LABORATORY 63302F PROGRAM ELEMENT NUMBER 63253F 63259F 63313F 63205F 63226F 63231F 63244F 63245F 63250F 63319F 63218F 63217F 63227F 63211F 63215F 63208F 36 20 28 32 33 46 35 37 8 83 24 27 6 2

UNCLASSIFIED

 $\supset$  $\supset$ ⊃

8, 592

9,700

6,900

970

N

8, 436

9,859

4,954

3,730

1,420

SPACE SYS ENVIRON INTERACTIONS TECH

4

ADV MILITARY SPACEFLIGHT TECHNOLOGY

ADVANCED SPACECRAFT TECH

HYPERVELOCITY MISSILE

**63363F 63401F 63406F** 63410F

38

30 6

N

F-2

PAGE

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

T & E PROGRAM	DATE: 04 FEB 1985
FY 1986 RDT & E PROGRAM	
FY 1986	APPRÖPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

14,686 U	11,742	6,000		Ø	DOD SOFTWARE ENGINEERING INSTITUTE	63752F	39
2,448 U	2, 324	5,070	3, 590	QI.	TRAINING SYSTEMS TECHNOLOGY	63751F	28
17, 447 U	14, 444	10, 444	8, 960	α	COUNTER/COUNTERMEASURES -ADV DEV	63750F	22
5,828 U	6, 165	3,824		NI.	CHEMICAL WARFARE DEFENSE	63745F	26
22, 802 U	15,818	16, 808	16,214	Ø	ELECTRG-CPTICAL WARFARE	63743F	S S
10,651 U	8, 643	6,672	6, 858	Ø	ADVANCED COMPUTER TECHNOLOGY	63728F	<b>5</b>
4,711 U	4,895	4,838		QI	ADVANCED COMMUNICATIONS TECHNOLOGY	63727F	83
3,885 U	3, 861	3, 053		CI.	FIBER OPTICS DEVLOPMENT	63726F	(N
17,321 U	11,488	9, 100	6, 585	CI.	CIVIL/ENVIRCHMENTAL ENGR TECH	63723F	<u>10</u>
36,901 U	29, 436	22, 105		CI.	ELECTRONIC WARFARE TECHNOLOGY	6371 <b>6</b> F	20
3,754 U	3, 963	2, 955		QI.	WEATHER SYSTEMS	63707F	6
2,407 U	2, 199	2,039	796	Q.	MANPOWER & PERSONNEL SYS TECH	63704F	<b>4</b>
52,002 U	19,749	5,000	46, 680	CI.	ADVANCED RADIATION TECH	63605F	7
34, 431 U	28, 590	20, 749	18, 100	α	CONVENTIONAL WEAPONS	63601F	46
4,507 U	096			CVI	NGN-DESTRUCTIVE INSPECTION AD DEV	63454F	<b>4</b> ₩
1,469 U				83	NUCLEAR SYSTEMS ADV DEV	63453F	4 4
158, 224 U	193, 776	135,000	120, 109	α	VERY HIGH SPEED INTEGRATED CIRCUITS	63452F	<b>4</b>
15,584 U	11,550	3, 000		a	MSL SURVEILLANCE TECH	63424F	4
FY 1967 C	FY 1986	<b>←</b> 1	FY 1984	ACT	ITEM NOMENCLATURE	ELEMENT NUMBER	N N N N N N N N N N N N N N N N N N N
JF DOLLARS	THOUSANDS OF					PROGRAM	

DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

EXHIBIT R-1

THOUSANDS OF DOLLARS	DATE: 04 FEB	FEB 1985  DOLLARS  11,352 U 858,951  U 28,728 U 4,859 U 136,323 U 5,615 U 1,603,370 U 15,096 U	DATE: 04 THOUSANDS OF FY 1986	FY 1985 16,700 516,410 69,304 98,000 4,908 10,968 10,968 2,340,786 24,000 25,039	, H		
FY 1984       FY 1985       FY 1985       FY 1986       FY 1987       FY 1987         14,365       16,700       26,273       31,352 L         446,389       516,410       713,971       656,951         62,850       69,304       173,971       656,951         14,768       24,000       173,934       215,560 L         11,128       10,832         14,563       4,906       4,978       26,726         10,912       10,968       8,036       4,859         737,200       465,000       367,438       136,323         2,429,888       2,340,786       1,560,824       1,603,370         23,760       24,000       71,787       53,678         35,902       25,039       14,179       15,096	ACT FY 1984 FY 1985 THOUSANDS OF DOLLARS  2 14,365 16,700 26,273 31,352 L 3 62,850 69,304 173,934 215,580 L 3 45,843 3 14,768 24,000 78,958 26,728 3 10,832 3 10,832 3 10,832 3 10,832 3 3 737,200 485,000 367,438 136,323 3 2,429,888 2,340,788 1,580,824 1,803,370 3 23,760 24,000 71,787 53,678 3 2,329,888 2,340,788 1,580,824 1,803,370 3 23,760 24,000 71,787 53,678 3 23,760 25,039 14,179 15,096	80, 357	149,934 PAGE F-4	132,959	202, 668	e e	
FY 1984 FY 1985 FY 1986 FY 1986 FY 1986 FY 1986 FY 1986 FY 1986 FY 1985 FY 1986 FY 198	AGT FY 1984 FY 1985 FY 1986 FY 46, 369 516, 410 713, 971 85 85 86, 304 173, 971 85 87 11, 128 3 14, 563 4, 908 4, 978 8, 036 3 737, 200 465, 000 367, 438 11, 63 3 2, 429, 888 2, 340, 786 1, 580, 824 1, 67 3 3 23, 780 24, 000 71, 787 87 87 87 87 87 87 87 87 87 87 87 87	15, 09	14, 179	25, 039	35, 902	ო	
FY 1984 FY 1985 FY 1986 FY 1987 FY 10, 912 FY 10, 968 FY 10, 969 F	ACT FY 1984 FY 1985 THOUSANDS OF DOLLARS  THOUSANDS OF THOUSANDS  THOU	53, 678	71,787	24,000	23, 760	ღ	
FY 1984 FY 1985 FY 1986 FY 1987 6 FY 1987 6 FY 1987 6 FY 1987 31,352 L	ACT FY 1984 FY 1985 FY 1986 FY 1987 OF DOLLLARS  2 14,365 16,700 26,273 31,352 U  3 62,850 69,304 173,934 215,580 U  3 74,250 98,000 173,934 215,580 U  3 14,768 24,000 78,958 200,108 U  3 11,128 4,908 4,978 28,728  3 10,912 10,968 8,036 4,859  3 737,200 465,000 367,438 136,323  5,615		1,580,824	2, 340, 786	2, 429, 888	ო	
FY 1984 FY 1985 FY 1986 FY 1987 O  14,365 16,700 26,273 31,352 U  446,369 516,410 713,971 858,951  62,850 69,304 773,934 215,580 U  45,843 24,000 78,956 200,108 U  11,128 4,908 4,978 28,728  10,912 10,968 8,036 4,959  737,200 465,000 367,438 136,323  5,615	ACT FY 1984 FY 1985 FY 1986 FY 1987 OF DOLLLARS  2 14,365 16,700 26,273 31,352 U  3 62,850 69,304 713,971 858,951  3 45,843  3 14,768 24,000 78,958 200,108 U  3 11,128 4,908 4,978 26,728  3 10,832 4,908 8,000 367,438 136,323  3 737,200 465,000 367,438 136,323		72, 629			က	
FY 1984 FY 1985 FY 1986 FY 1987 G 14,365 16,700 26,273 31,352 L 446,369 516,410 713,971 658,951 658,	ACT FY 1984 FY 1985 FY 1986 FY 1987 GF DOLLLARS  2 14,365 16,700 26,273 31,352 L  3 62,850 69,304 713,971 859,951  3 74,250 98,000 173,934 215,580 L  3 45,843  3 14,768  3 14,768  3 14,563  4,908 4,978 28,728  3 737,200 465,000 367,438 136,323					ဗ	
FY 1984 FY 1985 FY 1986 FY 1987 G 14,365 16,700 26,273 31,352 L 446,369 516,410 713,971 858,951 62,850 69,304 773,934 215,580 L 14,768 24,000 78,958 200,108 L 10,832 14,563 4,908 4,978 28,728 10,912 10,968 8,036 4,859	ACT FY 1984 FY 1985 FY 1986 FY 1987 GF 514,365 G9,304  3 62,850 69,304  3 74,250 98,000 173,971 858,951  3 45,843  3 14,768  3 14,768  3 11,128  3 10,832  3 10,912 10,968 8,036 4,978 26,726		367, 438	465,000	737, 200	က	
FY 1984 FY 1985 FY 1986 FY 1987 G 14,365 16,700 26,273 31,352 L 446,369 516,410 713,971 856,951 62,850 69,304 773,934 215,580 L 45,843 24,000 78,958 200,108 L 11,128 10,832 14,563 4,908 4,978 28,728 10,912 10,968 8,036 4,859	ACT FY 1984 FY 1985 FY 1986 FY 1987 GF DGLLARS  2 14,365 16,700 26,273 31,352 U  3 62,850 69,304 713,971 858,951  3 74,250 98,000 173,934 215,580 U  3 14,768 24,000 78,958 200,108 G  3 11,128 24,000 78,958 200,108 G  3 10,832 4,908 8,036 4,958 28,728  3 10,912 10,988 8,036 4,859					ღ	
FY 1984       FY 1985       FY 1985       FY 1987         14,365       16,700       26,273       31,352         446,369       516,410       713,971       858,951         62,850       69,304       173,934       215,580         74,250       98,000       173,934       215,580         14,768       24,000       76,958       200,108         10,832       10,832         14,563       4,908       4,978       26,728	ACT FY 1984 FY 1985 FY 1986 FY 1987 G E4, 273 31,352 L E4,365 516,410 713,971 858,951		90'9	10,968	10,912	ო	
FY 1984 FY 1985 FY 1986 FY 1987 G 14,365 16,700 26,273 31,352 L 446,369 516,410 713,971 858,951 62,850 69,304 173,934 215,580 L 14,768 24,000 78,958 200,108 L 10,832 14,583	ACT FY 1984 FY 1985 FY 1986 FY 1987 G  2 14,365 16,700 26,273 31,352 L  3 62,850 69,304 713,971 856,951  3 45,843  3 14,768  24,000 78,958 200,108  3 11,128  3 11,833		4,978	4,908		က	
FY 1984       FY 1985       FY 1986       FY 1987         14,365       16,700       26,273       31,352         446,369       516,410       713,971       858,951         62,850       69,304       173,971       858,951         45,843       24,000       78,958       200,108         11,128       200,108	ACT FY 1984 FY 1985 FY 1986 FY 1987 GF 14,365 16,700 26,273 31,352 U 24,6,369 516,410 713,971 856,951 856,951 3 14,768 24,000 78,958 200,108 3 10,832 3 10,832				14, 563	ო	
FY 1984 FY 1985 FY 1986 FY 1987 (14,365 16,700 26,273 31,352 173,971 656,951 65,951 65,951 65,850 14,768 24,000 76,958 200,108	ACT FY 1984 FY 1985 FY 1986 FY 1987 GF DOLLARS  2 14,365 16,700 26,273 31,352 1  3 62,850 69,304 713,971 858,951  3 45,843 24,000 78,958 200,108  3 11,128	<b>ɔ</b>			10, 832	ო	
FY 1984 FY 1985 FY 1986 FY 1987 (14, 365 16, 700 26, 273 31, 352 14, 369 516, 410 713, 971 858, 951 858, 951 45, 843 24, 000 78, 958 200, 108	ACT FY 1984 FY 1985 FY 1986 FY 1987 GT 14,365 16,700 26,273 31,352 13	)			11,128	ო	
FY 1984 FY 1985 FY 1986 FY 1987 (14, 365 16, 410 713, 971 658, 951 45, 843 14, 768	ACT FY 1984 FY 1985 FY 1986 FY 1987 GF DOLLARS  2 14,365 16,700 26,273 31,352 1 446,369 516,410 713,971 858,951 3 74,250 98,000 173,934 215,580 3 45,843 3 14,768		78, 958	24,000		က	
FY 1984 FY 1985 FY 1986 FY 1987 (14, 365 16, 700 26, 273 31, 352 14, 369 518, 410 713, 971 858, 951 858, 951 74, 250 98, 000 173, 934 215, 580	ACT FY 1984 FY 1985 FY 1986 FY 1967 G 14,365 16,700 26,273 31,352 U 446,369 516,410 713,971 656,951 3 74,250 98,000 173,934 215,560 3 3 45,843				14, 768	ო	
FY 1984 FY 1985 FY 1986 FY 1987 ( 14,365 16,700 26,273 31,352 U 446,369 516,410 713,971 858,951 62,850 69,304 713,934 215,580	ACT FY 1984 FY 1985 FY 1986 FY 1987 (2012) SE, 273 31, 352 (2013) SE, 273 31, 374 275 SE, 374 275 SE, 374 275 SE, 27	<b>:</b> c			45, 843	ო	
FY 1984 FY 1985 FY 1986 FY 1987  14,365 16,700 26,273 31,352  446,369 516,410 713,971 858,951  62,850 69,304  74,250 98,000 173,934 215,580	ACT FY 1984 FY 1985 FY 1986 FY 1987  2 14,365 16,700 26,273 31,352  3 446,369 516,410 713,971 858,951  3 62,850 69,304  3 74,250 98,000 173,934 215,580	:				<b>ღ</b>	
FY 1984 FY 1985 FY 1986 FY 1987 1987 1987 1987 1987 1987 1987 1987	ACT FY 1984 FY 1985 FY 1986 FY 1987  2 14,365 16,700 26,273 31,352  3 62,850 69,304		173, 934	98,000	74,250	ო	
FY 1984 FY 1985 FY 1986 FY 1987	ACT FY 1984 FY 1985 FY 1986 FY 1987  2 14,365 16,700 26,273 31,352  446,369 516,410 713,971 858,951			69, 304	62, 850	ო	
FY 1984 FY 1985 FY 1986 FY 1987	ACT FY 1984 FY 1985 FY 1986 FY 1987	858, 951	713,971	516,410	446, 369		
FY 1984 FY 1985 FY 1986 FY 1987	THOUSANDS OF DOLLARS ACT FY 1984 FY 1985 FY 1986 FY 1987	31,352	26, 273	16,700	14,365	a	
* • • • • • • • • • • • • • •	THOUSANDS OF DOLLARS	FY 1987	FY 1986	FY 1985	FY 1984	ACT	

DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

DATE: 04 FEB 1985 EXHIBIT R-1 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

NO NUMBER   SYSTEMS SURVIVABILITY (NUC AFFECTS)   3   11,703   9,055     11113F   B-DE SQUADRONS   3   68,723   22,167     11113F   B-DE SQUADRONS   3   6,714   4,010     11113F   ADVANCED CRUISE MISSLE   3   6,714   4,010     11113F   ALLISTIC MINUTEMAN SQUADRONS   3   4,907   4,672     11113F   ALLISTIC MINUTEMAN SQUADRONS   3   12,568   3,046     11113F   ACCOMMUNICATIONS   3   12,568   3,046     11113F   ACCOMMUNICATIONS   3   12,568   3,741     11113F   ACCOMMUNICATIONS   3   1,975   3,214     1113F   ACCOMMUNICATIONS   3   1,975   46,000     1113F   ACCOMMUNICATIONS   3   1,975   4,995     1113F   ACCOMMUNICATIONS   3   1,975   4,995     1113F   ACCOMMUNICATIONS   4,995   4,795     1113F   ACCOMMUNICATIONS   3   1,243F   4,995     1113F   ACCOMMUNICATIONS   4   1,995     1113F   AC	N N	PROGRAM FI FMFNT		;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		THOUSANDS O	OF DOLLARS
11130F   SYSTEMS SURVIVABILITY (NUC AFFECTS)   3   11,703   2     111120F   ADVANCED CRUISE MISSLE   3   68,723   2     111120F   ALTCRAFT SURVIVABILITY ENHANCEMENTS   3   4,907     111130F   AIRCRAFT SURVIVABILITY ENHANCEMENTS   3   4,907     111130F   AIRCRAFT SURVIVABILITY ENHANCEMENTS   3   4,907     111130F   AIRCRAFT SURVIVABILITY ENHANCEMENTS   3   12,568     111130F   FACCS/WABANCP SYS EC-135 CL V MODS   3   12,568     112130F   NCMC - TW/AA SYSTEMS   3   1,875     12310F   NCMC - TW/AA SYSTEMS   3   1,875     12320F   TW/AA INTERFACE NETWORK   3   1,875     12320F   TW/AA INTERFACE NETWORK   3   1,579     12410F   CONUS OVER-THE-HORIZON RADAR   3   4,995     12410F   CONUS OVER-THE-HORIZON RADAR   3   4,995     12430F   DEFENSE SUPPORT PROGRAM   3   4,7229     12430F   DEFENSE SUPPORT PROGRAM   3   3,719     124326   SLEM RADAR WARNING SYSTEMS   3   3,719     124327   SLEM RADAR WARNING SYSTEMS   3   3,719     124336   INTEGRATED OPER NUDETS DETECT SYS   3   3     124337   INTEGRATED OPER NUDETS DETECT SYS   3   3     124337   INTEGRATED OPER NUDETS DETECT SYS   3   3     124337   INTEGRATED OPER NUDETS DETECT SYS   3     124337   INTEGRATED OPER NUDETS DETECT SYS   3     124338   INTEGRATED OPER NUDETS DETECT SYS   3     124337   INTEGRATED OPER NUDETS DETECT SYS   3     124338   INTEGRATED OPER NUDETS DETECT SYS   3     124337   INTEGRATED	O Z	NUMBER		ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
11136F	90	64711F		ო	11, 703	9,055	7,927	11.121 U
11120F ADVANCED CRUISE MISSLE	19	11113F		ო	68, 723	22, 167	16.047	
11130F   AIRCRAFT SURVIVABILITY ENHANCEMENTS   3   6,714     11142F   KC-135 SQUADRONS   3   4,907     11213F   MINUTEMAN SQUADRONS   3   4,455     11312F   PACCS/WWABNCP SYS EC-135 CL V MODS   3   12,566     11312F   PACCS/WWABNCP SYS EC-135 CL V MODS   3   12,566     11313F   SAC COMMUNICATIONS   3   21,213     12311F   NOMC - TW/AA SYSTEMS   3   1,675     12313F   NOMC - SPACE DEFENSE SYSTEMS   3   1,675     12313F   NOMC - SPACE DEFENSE SYSTEM   3   26,822     12313F   SALLISTIC MSL TAC WNG/ATK ASSES SYS   3   1,675     12325F   JUINT SURVEILLANCE SYSTEM   3   26,822     12412F   SURVEILL RADAR STATIONS   3   26,822     12412F   SURVEILL RADAR STATIONS   3   12,599     12424F   SPACETRACK   3   4,995     12424F   SPACETRACK   3   4,995     12432F   SLBM RADAR WARNING SYSTEMS   3   3,719     12433F   SLBM RADAR WARNING SYSTEMS   3   32,719     12433F   INTEGRATED OPER NUDETS DETECT SYS   3   32,710     3   32,710   3	82	11120F	ADVANCED CRUISE MISSLE	က	•		•	
11112F         KC-135 SQUADRONS         3         6,714           11213F         MINUTEMAN SQUADRONS         3         4,907           11312F         PACCS/WWABNCP SYS EC-136 CL V MODS         3         12,566           11312F         PACCS/WWABNCP SYS EC-136 CL V MODS         3         12,566           12310F         NCMC - TW/AA SYSTEMS         3         21,213         2           12313F         NCMC - TW/AA SYSTEMS         3         46,964         3           12325F         TW/AA INTERFACE NETWORK         3         762           12325F         JOINT SURVEILLANCE SYSTEM         3         26,822         4           12417F         SURVEILL RADAR STATIONS         3         26,822         4           12417F         DEW RADAR STATIONS         3         4,995         1           12427F         DEW RADAR STATIONS         3         4,995         1           12427F         SPACETRACK         3         4,995         1           12427F         SPACETRACK         3         4,995         1           12437F         SLBM RADAR WARNING SYSTEMS         3         3,719         1           12438F         SLBM RADAR WARNING SYSTEMS         3         3,719	83	11135F	AIRCRAFT SURVIVABILITY ENHANCEMENTS	ო				
11213F   PACCS/WWABNCP SYS EC-136 CL V MODS   3 4,455     11313F   PACCS/WWABNCP SYS EC-136 CL V MODS   3 12,566     12310F   NCMC - TW/AA SYSTEMS   3 21,213   2	84	11142F	KC-135 SQUADRONS	ო	6,714	4, 010	896	200
1131EF         PACCS/WWABNCP SYS EC-136 CL V MODS         3         4,455           11316F         SAC COMMUNICATIONS         3         12,566           12310F         NCMC - TW/AA SYSTEMS         3         21,213         2           12311F         NCMC - TW/AA SYSTEMS         3         46,964         3           12313F         BALLISTIC MSL TAC WNG/ATK ASSES SYS         3         1,975           12325F         JOINT SURVEILLANCE SYSTEM         3         762           12417F         SURVEILL RADAR STATIONS/SITES         3         5,266           12412F         DEW RADAR STATIONS         3         4,995           12427F         CONUS OVER-THE-HORIZON RADAR         3         4,995           12424F         SPACETRACK         3         4,995           12424F         SPACETRACK         3         4,995           12435F         SLBM RADAR WARNING SYSTEMS         3         3,719           12432F         SLBM RADAR WARNING SYSTEMS         3         3,719           12433F         SLBM RADAR WARNING SYSTEMS         3         3,719	92	11213F	MINUTEMAN SQUADRONS	ღ	4, 907	4,672	31,203	200,000
11316F         SAC COMMUNICATIONS         3         12,566           12310F         NCMC - TW/AA SYSTEMS         3         21,213         2           12311F         NCMC - SPACE DEFENSE SYSTEMS         3         46,964         3           12313F         BALLISTIC MSL TAC WNO/ATK ASSES SYS         3         1,875         1,875           12325F         TW/AA INTERFACE NETWORK         3         762         4           12325F         JOINT SURVEILL RADAR STATIONS/SITES         3         26,822         4           12417F         DEW RADAR STATIONS         3         26,822         4           12417F         CONUS OVER-THE-HORIZON RADAR         3         4,995         1           12427F         SPACETRACK         3         4,995         1           12428F         SPACETRACK         3         4,995         1           12431F         DEFENSE SUPPORT PROGRAM         3         4,995         1           12432F         SLBM RADAR WARNING SYSTEMS         3         3,719         1           12433F         INTEORATED OPER NUDETS DETECT SYS         3         3,719         1	98	11312F		က	4, 455	799	5.163	8 261
12310F       NCMC - TW/AA SYSTEMS       3       21,213       2         12311F       NCMC - SPACE DEFENSE SYSTEMS       3       46,964       3         12313F       BALLISTIC MSL TAC WNG/ATK ASSES SYS       3       1,975         12325F       JOINT SURVEILLANCE SYSTEM       3       762         12411F       SURVEILL RADAR STATIONS/SITES       3       26,822       4         12412F       DEW RADAR STATIONS       3       26,822       4         12417F       CONUS OVER-THE-HORIZON RADAR       3       12,599       1         12426       BALLISTIC MSL EARLY WNG SYSTEM       3       4,995       1         12431F       DEFENSE SUPPORT PROGRAM       3       4,995       1         12432F       SLBM RADAR WARNING SYSTEMS       3       3,719       1         12433F       INTEGRATED OPER NUDETS DETECT SYS       3       32,719       3	87	11316F	SAC COMMUNICATIONS	ღ	12, 566	3,046	10,625	620 11
12311F       NCMC - SPACE DEFENSE SYSTEMS       3       46,964       3         12313F       BALLISTIC MSL TAC WNO/ATK ASSES SYS       3       1,875         12325F       TW/AA INTERFACE NETWORK       3       762         12325F       JOINT SURVEILLANCE SYSTEM       3       26,822       4         12411F       SURVEILL RADAR STATIONS       3       26,822       4         12412F       DEW RADAR STATIONS       3       26,822       4         12412F       CONUS OVER-THE-HORIZON RADAR       3       12,599       1         12427F       CONUS OVER-THE-HORIZON RADAR       3       4,995       1         12427F       SPACETRACK       3       4,995       1         12437F       SPERNSE SUPPORT PROGRAM       3       47,229       6         12432F       SLBM RADAR WARNING SYSTEMS       3       3,719       11         12432F       SLBM RADAR WARNING SYSTEMS       3       3,719       11	99	12310F	NCMC - TW/AA SYSTEMS	ო	21,213	23, 834	57, 445	67 857 11
12313F         BALLISTIC MSL TAC WNG/ATK ASSES SYS         3         1,675           12323F         TW/AA INTERFACE NETWORK         3         762           12326F         JOINT SURVEILLANCE SYSTEM         3         5,256           12411F         SURVEILL RADAR STATIONS/SITES         3         26,822         4           12412F         DEW RADAR STATIONS         3         26,822         4           12417F         CONUS OVER-THE-HORIZON RADAR         3         12,599         1           12423F         BALLISTIC MSL EARLY WNG SYSTEM         3         4,995         1           12431F         DEFENSE SUPPORT PROGRAM         3         47,229         6           12432F         SLBM RADAR WARNING SYSTEMS         3         3,719         1           12433F         INTEGRATED OPER NUDETS DETECT SYS         3         32,719         3	68	12311F	- SPACE DEFENSE SYSTE	ო	46, 964	37, 441	72, 996	64.932 !!
12323F       TW/AA INTERFACE NETWORK       3       762         12325F       JOINT SURVEILL RADAR STATIONS/SITES       3       5,256         12411F       SURVEILL RADAR STATIONS       3       26,822       4         12412F       DEW RADAR STATIONS       3       26,822       4         12417F       CONUS OVER-THE-HORIZON RADAR       3       12,599       1         12423F       BALLISTIC MSL EARLY WNG SYSTEM       3       4,995       1         12424F       SPACETRACK       3       47,229       6         12431F       DEFENSE SUPPORT PROGRAM       3       3,719       11         12432F       SLBM RADAR WARNING SYSTEMS       3       3,719       11         12433F       INTEGRATED OPER NUDETS DETECT SYS       3       32,170       3	06	12313F	ASSES	ო	1,875	3,214	2.655	
12325F         JÓINT SURVEILLANCE SYSTEM         3         762           12411F         SURVEILL RADAR STATIONS         3         26,822         4           12412F         DEW RADAR STATIONS         3         26,822         4           12417F         CÖNUS ÖVER-THE-HÖRIZÖN RADAR         3         12,599         1           12423F         BALLISTIC MSL EARLY WNG SYSTEM         3         4,995         1           12424F         SPACETRACK         3         4,995         1           12431F         DEFENSE SUPPORT PROGRAM         3         47,229         6           12432F         SLBM RADAR WARNING SYSTEMS         3         3,719         1           12433F         INTEGRATED OPER NUDETS DETECT SYS         3         32,170         3	91	12323F	TW/AA INTERFACE NETWORK	ო			1.468	
12411F       SURVEILL RADAR STATIONS/SITES       3       5,256       4         12412F       DEW RADAR STATIONS       3       26,822       4         12417F       CONUS OVER-THE-HORIZON RADAR       3       12,599       1         12423F       BALLISTIC MSL EARLY WNG SYSTEM       3       4,995       1         12424F       SPACETRACK       3       47,229       6         12431F       DEFENSE SUPPORT PROGRAM       3       47,229       6         12432F       SLBM RADAR WARNING SYSTEMS       3       3,719       11         12433F       INTEGRATED OPER NUDETS DETECT SYS       3       32,170       3	23	12325F	JÖINT SURVEILLANCE SYSTEM	ო	762	1 800	0 00 0	
12412F DEW RADAR STATIONS 12417F CÖNUS ÖVER-THE-HÖRIZÖN RADAR 12427F CÖNUS ÖVER-THE-HÖRIZÖN RADAR 12423F BALLISTIC MSL EARLY WNG SYSTEM 12424F SPACETRACK 12424F SPACETRACK 12431F DEFENSE SUPPÖRT PROGRAM 12432F SLBM RADAR WARNING SYSTEMS 12433F INTEGRATED ÖPER NUDETS DETECT SYS 3 32,719 3	93	12411F	SURVEILL RADAR STATIONS/SITES	,	K.		5 6	
12417F CÖNUS ÖVER-THE-HÖRIZÖN RADAR 3 26,872 12423F BALLISTIC MSL EARLY WNG SYSTEM 3 12,599 12424F SPACETRACK 3 4,995 12431F DEFENSE SUPPORT PROGRAM 3 47,229 12432F SLBM RADAR WARNING SYSTEMS 3 3,719 12433F INTEGRATED OPER NUDETS DETECT SYS 3 32,170	4	12412F	DEW RADAR STATIONS	• (		7 0 7	ZO, Z15	43,002 U
12423F BALLISTIC MSL EARLY WNG SYSTEM 3 12,599 12424F SPACETRACK 3 4,995 12431F DEFENSE SUPPORT PROGRAM 3 47,229 12433F SLBM RADAR WARNING SYSTEMS 3 3,719 12433F INTEGRATED OPER NUDETS DETECT SYS 3 32,170	ī,	12417F		ກ	25, 822	46,000	40,914	14,650 U
12423F BALLISTIC MSL EARLY WNG SYSTEM 3 12,599 12424F SPACETRACK 3 4,995 12431F DEFENSE SUPPORT PROGRAM 3 3,719 12432F SLBM RADAR WARNING SYSTEMS 3 3,719	2	F 4	CONOS OVER-INE-HORIZON RADAR	ო	96, 875	60, 890	67, 457	36, 393 U
12424F SPACETRACK  12431F DEFENSE SUPPORT PROGRAM  12432F SLBM RADAR WARNING SYSTEMS  12433F INTEGRATED OPER NUDETS DETECT SYS  3 32,170	90	12423F	BALLISTIC MSL EARLY WNG SYSTEM	ო	12, 599	10,016	12, 966	18,771 U
12431F DEFENSE SUPPORT PROGRAM 12432F SLBM RADAR WARNING SYSTEMS 3 3,719 12433F INTEGRATED OPER NUDETS DETECT SYS 3 32,170	26	12424F	SPACETRACK	က	4,995	10,214	9,613	
12432F SLBM RADAR WARNING SYSTEMS 3 3,719 12433F INTEGRATED OPER NUDETS DETECT SYS 3 32,170	98	12431F	DEFENSE SUPPORT PROGRAM	ღ	47, 229	63, 985	79. 592	
INTEGRATED OPER NUDETS DETECT SYS 3 32,170	<b>G</b>	12432F	SLBM RADAR WARNING SYSTEMS	ო	3,719	12,219	8,235	
	0	12433F	INTEGRATED OPER NUDETS DETECT SYS	ო	32, 170	34, 795	20, 538	
PAGE						à	1GE F-5	

			DEPARTMENT	OF THE AIR FORCE	M Z	X	EXHIBIT R-1
		INVEST TRANSPORTER TO THE PERSON OF THE PERS	2000	<b>5</b> -		DATE: 04	
APPR	APPROPRIATION:	3600 F RESEARCH DEVELLOTHEN 1501 + LVALL	; ; ;			THOUSANDS OF DOLLARS	1 !
1 2 -	PROORAM FI FAFNT						FY 1987 C
2 2	NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	0 : 0 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 :	0 : 00	
101	12436F	COMD CTR PROCESS/DISPLAY SYS	ო	2, 966	11,661	14,807	23, 888 U
102	1282F	LEG	ო				
103	32015F	NEACP/E-4B CL V MGDS	ო	20, 427	27,057		<b>ɔ</b>
104	33131F	MINIMUM ESSENTIAL EMER COMM NETWORK	ო	111,750	111,811	97, 199	
105	33152F	WWMCCS INFORMATION SYSTEM	ო			8, 100	8,387 U
106	33154F	WWMCCS INFORMATION SYSTEM - JPMO	ო	25,005	32, 629	88, 721	147,073 U
107	33601F	MILSTAR SAT COMM SYS (AF TERMINALS)	က	164,040	123, 197	132, 095	279,724 U
108			ဗ	148,409	325,042	345, 696	390, 199
109		THEATER NUC WPN STORAGE&SEC SYS	ღ	2, 153	1,958	1,045	<b>.</b>
110		SATELLITE DATA SYSTEM	ო	7,548			<b>5</b>
=	35172F	BERNIE	<b>o</b>				
112	35892F	SPECIAL ANALYSIS ACTYS	ღ	1 1 1 1	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	STRATE	STRATEGIC PROGRAMS		_	5, 766, 039	5, 743, 785	6, 283, 962
113	63230F	ADVANCED TACTICAL FIGHTER	4	34, 125	94,287	242, 852	262,736 U
1.		ADV TACTICAL AIR RECONNAISSANCE SYS	4		1,500	20, 339	74,619 U
115	63244F	ACFT NON-NUCLEAR SURVIVABILITY	4	2,667			<b>ɔ</b>
116		NIGHT ATTACK PROGRAM	4	3, 711			<b>.</b>
117		JNT SERVICE ADV VERT LIFT ACFT (JVX)	4		1,086	4, 901	
118		AIR BASE SURVIVABILITY & RECOVERY	4	3,774	4, 426	6,178	
119	63320F	LOW COST SEEKER	4		3,000	17,613	17,624 U
120	63437F	HAVE DJINN	4		•		
Í						מישני	

PAGE F-6

DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

N N N

Z						
NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987
63609F	ADV ATTACK WEAPONS	4		. 000 5	113	1 M
63714F	DOD PHYSICAL SECURITY EQ-EXTERIOR	4	3,601			7
63718F	ELECTRÓNIC WARFARE TECHNOLOGY	4	20, 136	<b>?</b>		) 
63726F	FIBER OPTICS DEVLOPMENT	4	2, 702			
63727F	ADVANCED COMMUNICATIONS TECHNOLOGY	4	3, 824			<b>o</b> :
63742F	COMBAT IDENTIFICATION TECHNOLOGY	4	13,060	15.376	8 763	0 0
63745F	CHEMICAL WARFARE DEFENSE	4	5, 494	•	3	
63749F	C3CM ADVANCED SYSTEMS	4	066	800	3, 463	e e e
63770F	JT SURV. TGT ATK RADAR SYS(JSTARS)	4		3.318	3 200	
63801F	SPECIAL PROGRAMS	4				
64201F	ACFT AVIONICS EQUIPMENT DEVELOPMENT	4	18, 385	19.979	29, 397	1 070
64209F	F-100 DURABILITY	4	35, 200	14,003	20.00	
64212F	AIRCRAFT EQUIPMENT DEV	4	5,811	000'9	8.779	17
64218F	ENGINE MODEL DERIVATIVE PROG	4	67,853	82.698		
64219F	INTEGRATED DIGITAL AVIONICS	4	1		11 1001	
64220F	EW COUNTER RESPONSE	4	27 462			מ מ מ מ
64222F	NUCLEAR WEAPONS SUPPORT			) i	27, 183	28, 632 U
į		r	N .	1,947	2, 035	2,076 U
54223F		4	91,965	54,943	33, 353	176,723 U
64231F	C-17 PRGGRAM	4	25, 705	123, 285	453, 681	624.798 U
64232F	PAVE RUNNER	4				
64236F	INFRARED SEARCH & TRACK SYS	4			23, 657	35, 377 U
		5	UNCLASSIFIED	ď	1	

DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

EXHIBIT R-1

THOUSANDS OF THOUSENEY			IANA + TORT TARREST PLANTS CONTRACT CON				DATE: 04	FEB 1985
HADDANINS OF SECURITY   LECTURE   ACT   FY 1986   FY 1986	APPR	CIPRIATION:	3600 F REGERACH DEVELOPMENT IEST FEVALL					
### FELSENENT   ITEM NOMENCLATURE	)   			;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS	DOLLARS
64247F         MODULAR AUTOMATIC TEST EQUIFMENT         4         15,765         11,651         4           64249F         NIGHT PRECISION ATTACK         4         06,082         98,338         44           64269F         ACT ENGINE COMPONENT IMPROVE PROG         4         126,220         148,115         136           64319F         ADV MED RANGE AIR-TO-AIR MSL         4         122,174         77,977         56           64316F         ADV MED RANGE AIR-TO-AIR MSL         4         190,662         209,749         10           64321F         ADV MED RANGE AIR-TO-AIR MSL         4         5,689         17,787         20           64322F         JOINT TACTICAL FUSION PROGRAM         4         5,689         17,787         20           64322F         JOINT TACTICAL MISSILE SYSTEM         4         5,689         17,787         22           64322F         JOINT TACTICAL MISSILE SYSTEM         4         20,082         18,221         22           64602F         ARMAMENT CRONANCE DEVELOPMENT         4         16,424         18,784         1           64604F         WIDE-AREA ANTI-ARMOR MUNITION         4         23,170         19,927         1           64606F         CLOSE AIR SUPPORT SYSTEM         4	N S S		ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1967 C
64269F         INIGHT PRECISION ATTACK         4         58,092         98,338         46           64268F         ACT ENGINE COMPONENT IMPROVE PROG         4         125,280         148,115         136           64313F         T-46A         122,174         77,977         50           64313F         ADV MED RANGE AIR-TO-AIR MSL         4         190,652         209,749         10           64315F         ADV MED RANGE AIR-TO-AIR MSL         4         190,652         209,749         10           64315F         ADV MED RANGE SRAM         4         5,659         17,787         21           64326F         JGINT TACTICAL MISSILE SYSTEM         4         5,659         17,787         22           64326F         JGINT TACTICAL MISSILE SYSTEM         4         20,092         18,221         22           64360F         CAB DEFRINSE COULPMENT         4         20,092         18,784         11           64607F         WIDE-AREA ANTI-ARMOR MUNITION         4         20,092         18,784         11,582           64607F         WIDE-AREA ANTI-ARMOR MUNITION         4         23,170         19,927         11,582           64703F         AREQUERY MEAPONS SYSTEM         4         7,567         11,582	142	64247F	MODULAR AUTOMATIC TEST EQUIPMENT	4	15, 765	11,851	9,962	33, 556 U
64266F         ACFT ENGINE COMPONENT IMPROVE PROG         4         125,280         149,115         136           64313F         T-46A         122,174         77,977         55           64314F         ADV MED RANGE AIR-TO-AIR MSL         4         190,662         209,749         10           64314F         ADV MED RANGE AIR-TO-AIR MSL         4         5,659         17,787         21           64314F         ADV MED RANGE BRAAM         4         5,659         17,787         21           64324F         JGINT TACTICAL MISSILE SYSTEM         4         9,481         10         22           64324F         JGINT TACTICAL MISSILE SYSTEM         4         9,481         10,654         11           64302F         OND LAUNCHED CRUISE MSL         4         20,092         18,221         22           64302F         ARMAMENT ORDIANCE DEVELOPMENT         4         18,424         18,784         18,784         18,784         18,784         18,784         11,582         24           64605F         AIDE-AREA ANTI-ARMOR MUNITION         4         1,500         11,582         24         24,784         11,582         24         24         24,784         24,784         24,784         24,784         24,784         24,	143	64249F	NIGHT PRECISION ATTACK	4	58, 092	98, 338	40,849	44,657 U
64313F T-46A 64314F ADV MED RANGE AIR-TO-AIR M3L 64318F ADVANCED SRAAM 64318F ADVANCED SRAAM 64324F JGINT TACTICAL FUSION PROGRAM 64324F JGINT TACTICAL MISSILE SYSTEM 64601F C/B DEFENSE EQUIPMENT 64602F ARMAMENT GRDNANCE DEVELOPMENT 64604F SUBMUNITIONS 64604F JUDE-AREA ANTI-ARMOR MUNITION 64604F JUDE-AREA ANTI-ARMOR MUNITION 64605F CLOSE AIR SUPPORT WEAPONS SYSTEM 64606F CLOSE AIR SUPPORT WEAPONS SYSTEM 64706F LIFE SUPPORT SYSTEMS DEVELOPMENT 64706F THER OPERATIONAL EQUIPMENT 64706F THER OPERATIONAL EQUIPMENT 64706F THER OPERATIONAL EQUIPMENT 64706F TAC C3 COUNTER-MEASURES 64716F GOD PHYSICAL SECURITY EQ-EXTERIOR 64716F TAC C3 COUNTER-MEASURES 64716F TAC C3 COUNTER-MEASURES 74 14,861 17,662 77 567 77	4	64268F	ACFT ENGINE COMPONENT IMPROVE PROG	4	125, 280	148,115	138,574	133,994 U
64315F         ADV MED RANGE AIR-TO-AIR M3L         4         190,652         209,749         10           64315F         ADVANCED SRAAM         4         5,659         17,787         22           64325F         JGINT TACTICAL FUSION PROGRAM         4         5,659         17,787         22           64322F         JGINT TACTICAL MISSILE SYSTEM         4         36,067         18,654         22           64322F         GRD LAUNCHED CRUISE M3L         4         20,092         18,221         22           64601F         C/B DEFENSE EQUIPMENT         4         20,092         18,221         22           64602F         ARMAMENT GRDNANCE DEVELOPMENT         4         20,092         18,221         22           64603F         AIDE-AREA ANTI-ARMOR MUNITION         4         23,170         18,927         1           64603F         VIDE-AREA ANTI-ARMOR MUNITION         4         23,170         19,927         1           64603F         CLGSE AIR SUPPORT WEAPONS SYSTEM         4         7,567         11,592         2           64703F         AIR BASE SURVIVABILITY & RECOVERY         4         7,567         11,507         11,507           64703F         AITER SUPPORT SYSTEM         4         12,960	1. 10.	64313F	T-46A	4	122, 174	77,977	54, 287	11,348 U
64321F         ADVANCED SRAAM         4         5,559         17,787         21           64321F         JGINT TACTICAL FUSION PROGRAM         4         5,559         17,787         21           64324F         JGINT TACTICAL HISSILE SYSTEM         4         36,067         16,654         22           64362F         GRD LAUNCHED CRUISE MSL         4         20,092         16,221         22           64602F         AMMAMENT ORDNANCE DEVELOPMENT         4         20,092         16,221         23           64603F         AMMAMENT ORDNANCE DEVELOPMENT         4         20,092         16,221         23           64603F         AMMAMENT ORDNANCE DEVELOPMENT         4         23,170         16,927         1           64603F         MIDE-AREA ANTI-ARMOR MUNITION         4         23,170         16,927         1           64603F         MIDE-AREA SURVIVABILITY & RECOVERY         4         7,567         11,592         2           64703F         AREOMEDICAL SYSTEM         4         1,500         13,573         1           64703F         CITES SUPPORT SYSTEM         4         1,500         13,573         1           64703F         RECONNAISSANCE GOUIPMENT         4         10,901         8,780	146	64314F	ED RANGE AIR-TG-AIR	4	190, 652	209, 749	101,382	1,070 U
64321F         JOINT TACTICAL FUSION PROGRAM         4         5,659         17,787         28           64324F         JOINT TACTICAL MISSILE SYSTEM         4         9,491         18,654         18,654           64324F         GABOZF         GABOZF         GABOZF         18,654         18,654         18,654           64607F         C/B DEFENSE EQUIPMENT         4         20,092         18,784         1           64607F         ARMAMENT GRDNANCE DEVELGPHENT         4         18,784         1         1           64607F         WIDE-AREA ANTI-ARMOR MUNITION         4         23,170         18,927         1           64607F         WIDE-AREA ANTI-ARMOR MUNITIONS         4         23,170         18,927         1           64807F         WIDE-AREA SURVIVABILITY & RECOVERY         4         7,567         11,592         2           64703F         AREACHEDICAL SYSTEM         4         7,567         7,007         7           64703F         CHER OPERATIONAL EQUIPMENT         4         11,576         21,835         1           64703F         RECOUNTISANCE EQUIPMENT         4         10,901         6,780         1         6,780           64716F         DOD PHYSICAL SECURITY EQ-EXTERIOR         4 <th>147</th> <th>64315F</th> <th>ADVANCED SRAAM</th> <th>4</th> <th></th> <th></th> <th></th> <th>392 U</th>	147	64315F	ADVANCED SRAAM	4				392 U
64324F         JOINT TACTICAL MISSILE SYSTEM         4         9,491           64382F         GRD LAUNCHED CRUISE MSL         4         36,067         16,654           64802F         CAB DEFENSE EQUIPMENT         4         20,092         18,221         2           64602F         ARMAMENT GRDNANCE DEVELGPMENT         4         20,092         18,784         1           64607F         AIDE-AREA ANTI-ARMGN MUNITION         4         23,170         18,784         1           64607F         WIDE-AREA ANTI-ARMGN MUNITION         4         23,170         19,927         1           64807F         AIR BASE SURVIVABILITY & RECOVERY         4         7,567         11,592         2           64703F         AEROMEDICAL SYSTEM         4         3,774         7,007         2           64704F         CITHER OPERATIONAL EQUIPMENT         4         12,980         13,573         1           64704F         CITHER OPERATIONAL EQUIPMENT         4         10,901         8,780         1           64704F         TAC C3 CQUNTER-MEASURES         4         27,554         23,800         1	148	64321F	JOINT TACTICAL FUSION PROGRAM	4	5,659	17,787	26,920	25, 196 U
64362F         GRD LAUNCHED CRUISE MSL         4         36,067         18,654           64602F         Ammament ordunance development         4         20,092         18,221         2           64602F         Ammament ordunance development         4         20,092         18,221         2           64602F         Author-area anti-armor munition         4         23,170         18,927         1           64607F         Alt De-area anti-armor munition         4         23,170         18,927         1           64607F         Alt De-area anti-armor munition         4         23,170         18,927         1           64607F         Alt Base survivability & Recovery         4         7,567         11,592         2           64703F         Aerdmedical systems development         4         12,980         13,573         1           64703F         Reconnaissance equipment         4         10,901         6,780         1           64703F         Reconnaissance equipment         4         14,861         17,562         1           64713F         Dod Physical Security Ed-exterior         4         14,861         17,562         1           64724F         Tac c3 cdunter-measures         4         27,564 <t< th=""><th>149</th><td>64324F</td><td>β</td><td>4</td><td>9, 491</td><td></td><td></td><td><b>3</b></td></t<>	149	64324F	β	4	9, 491			<b>3</b>
64601F         C/B DEFENSE EQUIPMENT         4         20,092         18,221         2           64604F         ANAMENT ORDNANCE DEVELOPMENT         4         20,092         18,784         1           64604F         SUBMUNITIONS         4         23,170         18,784         1           64607F         WIDE-AREA ANTI-ARMOR MUNITION         4         23,170         19,927         1           64607F         WIDE-AREA ANTI-ARMOR MUNITION         4         23,170         19,927         1           64607F         AIDE-AREA ANTI-ARMOR MUNITION         4         7,567         11,592         2           64703F         AREACHEDICAL SYSTEMS DEVELOPMENT         4         7,567         7,007           64703F         LIFE SUPPORT SYSTEM         4         11,578         21,635         1           64703F         CHER OPERATIONAL EQUIPMENT         4         11,578         21,635         1           64715F         RECONNAISSANCE EQUIPMENT         4         14,851         17,562         1           64715F         DOD PHYSICAL SECURITY EQ-EXTERIOR         4         14,851         17,562         1           64724F         TAC C3 CQUNTER-MEASURES         4         27,564         23,800	150	64362F	GRD LAUNCHED CRUISE MSL	4	36, 067	18,654	685	490 U
64602F         ARMAMENT ORDNANCE DEVELOPMENT         4         18,424         16,784         1           64604F         SUBMUNITIONS         4         23,170         18,927         1           64607F         WIDE-AREA ANTI-ARMOR MUNITION         4         23,170         18,927         1           64807F         CLOSE AIR SUPPORT WEAPONS SYSTEM         4         1,500         11,592         2           64703F         ARROMEDICAL SYSTEMS DEVELOPMENT         4         7,567         11,592         2           64708F         LIFE SUPPORT SYSTEM         4         12,980         13,573         1           64708F         CHER OPERATIONAL EQUIPMENT         4         10,901         8,780         1           64710F         RECONNAISSANCE EQUIPMENT         4         10,901         8,780         1           64715F         DOD PHYSICAL SECURITY EQ-EXTERIOR         4         10,901         8,780         1           64724F         TAC C3 CQUNTER-MEASURES         4         27,554         23,800         1	15	64601F	C/B DEFENSE EQUIPMENT	4	20,092	18, 221	22, 488	34,795 U
64604F         SUBMUNITIONS         4         23,170         19,927         1           64607F         WIDE-AREA ANTI-ARMOR MUNITION         4         23,170         19,927         1           64608F         CLOSE AIR SUPPORT WEAPONS SYSTEM         4         7,567         11,592         2           64617F         AIR BASE SURVIVABILITY & RECOVERY         4         7,567         11,592         2           64703F         AEROMEDICAL SYSTEMS DEVELOPMENT         4         12,980         13,573         1           64708F         CITHE SUPPORT SYSTEM         4         12,980         13,573         1           64708F         GTHER OPERATIONAL EQUIPMENT         4         11,578         21,835         1           64710F         RECONNAISSANCE EQUIPMENT         4         10,901         6,780         1           64715F         DOD PHYSICAL SECURITY EQ-EXTERIOR         4         14,951         17,562         1           64724F         TAC C3 COUNTER-MEASURES         4         27,554         23,800         1	152	64602F	ARMAMENT GRDNANCE DEVELOPMENT	4	18, 424	18,784	17, 563	24, 339 U
64607F         WIDE-AREA ANTI-ARMOR MUNITION         4         23,170         18,927         1           64608F         CLOSE AIR SUPPORT WEAPONS SYSTEM         4         1,500         1,592         2           64703F         AIR BASE SURVIVABILITY & RECOVERY         4         7,567         11,592         2           64703F         AERGMEDICAL SYSTEMS         4         12,980         13,573         1           64706F         LIFE SUPPORT SYSTEM         4         11,576         21,835         1           64706F         CTHER OPERATIONAL EQUIPMENT         4         10,901         8,780         1           64710F         RECONNAISSANCE EQUIPMENT         4         14,851         17,562         1           64715F         DOD PHYSICAL SECURITY EQ-EXTERIOR         4         27,554         23,800         1           64724F         TAC C3 CQUNTER-MEASURES         4         27,554         23,800         1	153	64604F	SUBMUNITIONS	4		36, 322	43,910	13,217 U
64608F         CLOSE AIR SUPPORT WEAPONS SYSTEM         4         1,500           64617F         AIR BASE SURVIVABILITY & RECOVERY         4         7,567         11,592         2           64703F         AEROMEDICAL SYSTEMS DEVELOPMENT         4         3,774         7,007         7,007           64706F         LIFE SUPPORT SYSTEM         4         12,980         13,573         1           64706F         CTHER OPERATIONAL EQUIPMENT         4         11,576         21,835         1           64710F         RECONNAISSANCE EQUIPMENT         4         10,901         8,780         1           64710F         DOD PHYSICAL SECURITY EQ-EXTERIOR         4         14,851         17,562         1           64724F         TAC C3 CQUNTER-MEASURES         4         27,554         23,800         PAGE F	154	64607F	WIDE-AREA ANTI-ARMOR MUNITION	4	23,170	19, 927	15, 611	35, 541 U
64617F         AIR BASE SURVIVABILITY & RECOVERY         4         7,567         11,592         2           64703F         AEROMEDICAL SYSTEMS DEVELOPMENT         4         12,980         13,573         1           64706F         LIFE SUPPORT SYSTEM         4         12,980         13,573         1           64706F         OTHER OPERATIONAL EQUIPMENT         4         11,578         21,835         1           64710F         RECONNAISSANCE EQUIPMENT         4         10,901         8,780         1           64710F         RECONNAISSANCE SCURITY EQ-EXTERIOR         4         14,851         17,562         1           64724F         TAC C3 CQUNTER-MEASURES         4         27,554         23,800         1	155	64608F	AIR SUPPORT WEAPONS	4	1,500			<b>3</b>
64703F         AERCMEDICAL SYSTEMS DEVELOPMENT         4         3,774         7,007           64706F         LIFE SUPPORT SYSTEM         4         12,980         13,573         1           64706F         OTHER OPERATIONAL EQUIPMENT         4         11,576         21,835         1           64710F         RECONNAISSANCE EQUIPMENT         4         10,901         8,780           64715F         DOD PHYSICAL SECURITY EQ-EXTERIOR         4         14,851         17,562         1           64724F         TAC C3 CQUNTER-MEASURES         4         27,554         23,800         1	156	64617F		4	7, 567	11,592	21,900	26,751 U
64706F         LIFE SUPPORT SYSTEM         4         12,980         13,573         1           64708F         ÖTHER ÖPERATIÖNAL EQUIPMENT         4         11,576         21,835         1           64710F         RECONNAISSANCE EQUIPMENT         4         10,901         8,780         1           64715F         DÖD PHYSICAL SECURITY EQ-EXTERIOR         4         14,851         17,562         1           64724F         TAC C3 CQUNTER-MEASURES         4         27,554         23,800         1	157	64703F	AEROMEDICAL SYSTEMS DEVELOPMENT	4	3,774	7,007	8,049	14,083 U
64708F         OTHER OPERATIONAL EQUIPMENT         4         11,578         21,835         1           64710F         RECONNAISSANCE EQUIPMENT         4         10,901         8,780         1           64710F         DGD PHYSICAL SECURITY EQ-EXTERIOR         4         14,851         17,562         1           64724F         TAC C3 CQUNTER-MEASURES         4         27,554         23,800         PAGE F	158	64706F	LIFE SUPPORT SYSTEM	4	12,980	13, 573	16, 779	22,685 U
64710F       RECONNAISSANCE EQUIPMENT       4       10,901       8,780         64715F       DGD       PHYSICAL SECURITY EQ-EXTERIOR       4       14,851       17,562       1         64724F       TAC C3 CQUNTER-MEASURES       4       27,554       23,800       1	159		OTHER OPERATIONAL EQUIPMENT	4	11,578	21,835	17,087	18,934 U
64715F DØD PHYSICAL SECURITY EQ-EXTERIOR 4 14,851 17,562 64724F TAC C3 CQUNTER-MEASURES 4 27,554 23,800 PAGE	160		RECONNAISSANCE EQUIPMENT	4	10, 901	8, 780	7,820	13,748 U
64724F TAC C3 COUNTER-MEASURES 4 27,554 23,800 PAGE	181	64715F	Ŗ	4	14,851	17, 562	15, 733	19, 581 U
PAGE	162		TAC C3 COUNTER-MEASURES	4	27, 554	23, 800	17, 441	26,496 U
				Í	i i			

DATE: 04 FEB 1985

EXHIBIT R-1

DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
64725F	IF COMBAT IDENTIFICATION SYSTEMS	4	23, 485	18,046	13, 164	30, 226 U
64733F	IF SURFACE DEF SUPRESSION	4	9,405	17,000	54,980	
64737F	'F AIRBORNE SELF-PROTECTION JAMMER	4	41,679	25,000	11.220	
64738F	F PROTECTIVE SYSTEMS	4	50, 343	45, 565	65, 792	
64739F	F TACTICAL PROTECTIVE SYSTEMS	4	34, 574	39,000	75, 709	96,007 U
64740F		4	6, 197	9, 358	14,011	14, 408 U
64742F	F PRECISION LOCATION STRIKE SYSTEM	4	72, 927	79, 096	63,081	27, 365 U
64750F	F INTELLIGENCE EQUIPMENT	4	14, 195	15, 255	13, 481	16.576 U
64753F	F COMBAT HELICOPTER MODERNIZATION	4	35, 672	34, 306	14, 100	8.500 U
64754F	F JT TAC INFO DIST SYS	4	45, 540	86, 511	91,675	60,334 U
64756F	F SIDE LOGKING AIRBORNE RADAR (SLAR)	4	26,939	24, 547	20, 667	11, 992
64770F	F JSTARS	4	40,991	46.682	260, 221	10.000
64779F	F JT INTEROPERABILITY TAC COMD/CNTRL	4	5,940	13, 452	9. 141	10 017 11
11133F	F SR-71 SQUADRONS	4				
27129F	F F-111 SQUADRONS	4	74, 245	60,000	54.83	47 78R 11
27130F	F F-15 SQUADRONS	4	110,005	189, 592	252.142	110 308 1
27131F	F A-10 SQUADRONS	4	3, 63	3, 108	3 102	) } }
27132F	FIGHTER DERIVATIVE	4	17,416	•	5	o =
27133F	F-16 SQUADRONS	4	98, 637	94, 628	94.859	0 11 211
27136F	F-40 WILD WEASEL SQUADRONS	4	37,070	55, 267	36. 707	10 800 1
27137F	a in that word			•		

UNCLASSIFIED

PAGE F-9

DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

EXHIBIT R-1

2,937 U **> >** 128,235 U 745 U 18, 523 U 110,894 U 18,160 U 6,168 U 884 4, 338 307 1,299 2,778 3, 924 FY 1987 THOUSANDS OF DOLLARS DATE: 04 FEB 1985 888 7,569 4,947 250 3,068 8, 151 123, 785 2, 191 7,691 3,926 20,075 137,302 FY 1986 PAGE F-10 24, 339 985 2,860 3, 154 579 1,156 10,000 260 2,000 74, 522 86,805 FY 1985 476 3,280 8,553 75, 350 1,439 38,274 20, 573 38,417 FY 1984 2,965 271 ACT APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, TACTICAL AIRBORNE CMD & CONTROL SYS TACTICAL RECON IMAGERY EXPLOITATION ADV MED RANGE A/A MSL (PROCUREMENT) SATELLITE COMMUNICATIONS TERMINALS BASE COMM - TACTICAL AIR FORCES AIR BURNE WARNING & CONTROL SYS JT TACTICAL COMM PROG (TRI-TAC) OVERSEAS AIR WEAPON CONT SYS TACTICAL AIR CONTROL SYSTEM ITEM NOMENCLATURE TAC AIR INTELL SYS ACTYS JOINT ADVANCED SYTEMS TACTICAL AGM MISSILES AIR FORCE TENCAP TR-1 SQUADRONS ADV COMM SYS SEEK SPINNER HAVE FLAG SEEK AXLE CMEGA 27431F 28042F 33605F PROGRAM ELEMENT NUMBER 27438F 27585F 27591F 27595F 28010F 28041F 27412F 27417F 27419F 27162F 27215F 27411F 27423F 27584F 27163F 27247F L I N NG NG 202 193 194 200 201 195 198 198 199 197 184 185 186 187 98 189 190 191 192

EXHIBIT R-1

DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

						Ú	באחוטון אין
APPR	APPROPRIATION:	3600 F RESEARCH DEVELOPMENT TEST + EVAL,	AF			Щ	4 FEB 1985
						THOUSANDS OF DOLLARS	: :
N O	ELEMENT	ITEM NOMENCLATURE	ACT	F }	FY 198	FY 1986	8 1987 C
203	35887F	ELECTRONIC COMBAT INTEL SPT	4	1.822	. 60		1 0 0
204	41115F	C-130 AIRLIFT SQUADRONS (1F)	4		789		
205	41118F	C-141 AIRLIFT SQUADRONS (IF)	4	3,118			<b>&gt;</b> =
206	41119F	C-5 AIRLIFT SQUADRONS (IF)	4	3, 694			) <u>=</u>
207	41129F	THEME CASTLE	4				
208	41840F	MAC COMMAND/CONTROL SYS	4	3, 227	3, 413	11,441	8, 042 U
209	44011F	SPECIAL OPERATIONS FORCES	4			13 993	
	TACTICA	TACTICAL PROGRAMS		2, 284, 626	2, 729, 466	3, 792, 137	
210	63431F	SPACE COMMUNICATIONS	Ю	38, 525	42, 390	45.012	44. 450
211	64238F	CONSTANT PISCES	ю			•	
212	64778F	NAVSTAR GPS USER EQUIPMENT	ю	91,447	57,617		כ
213	27582F	HAVE TRUMP	Ŋ				•
2.4	31305F	INTELLIGENCE PRODUCTION ACTIVITIES	ю				
215	31310F	FOREIGN TECHNOLOGY DIVISON	ю				
216	31314F	INFRARED PROCESSING + EXPLOITATION	ıo				
217	31315F	MISSILE AND SPACE TECH COLLECTION	ю				
218	31317F	SENIOR YEAR OPERATIONS	ю				
219	31324F	FOREST GREEN	ı				
220	31357F	INTEG OPERATIONAL NUDETS DETECT SYS	ស				
221	32053F	NMCS-WIDE SUPPGRT-COMMUNICATIONS	гO		3, 200		5
222	33110F	DEF SATELLITE COMM SYS	Ω	34, 936	31, 599	6, 930	15,214 U
			Ś	UNCLASSIFIED	<b>a.</b>	PAGE F-11	

#### UNCLASSIF 1ED

۱. ( DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

EXHIBIT R-1

12,719 U 115,231 U **> >** 74,816 U 3,114 U 22,710 U 24,139 U 988 ∪ 1,077 U ⊃  $\supset$ 多至り  $\supset$ 8,812 39, 150 5, 488 1,077 2, 324, 534 62, 157 11,716 7,670 FY 1987 THOUSANDS OF DOLLARS DATE: 04 FEB 1985 155, 315 13, 505 391 132,007 3,028 4,273 70,434 2, 382, 832 978 5,300 FY 1986 11,543 7, 191 29, 517 28, 691 48, 527 1 1 1 1 1 1 1 PAGE F-12 3, 409 337,000 138,000 1,000 71,500 5, 519 1,447 5, 208 1,848,626 6,864 9,060 33, 464 10,370 FY 1985 9,329 10,078 2,846 74, 355 26, 379 3, 433 6, 283 29, 511 332, 104 6,095 6, 709 25, 243 3,995 8, 323 7,104 1,527 FY 1984 ဖ ACT APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF TRAFFIC CNTRL/APPROACH/LANDING SYS VARIABLE IN-FLT TEST ACFT (VISTA) ELECTROMAG COMPATIBILITY ANAL CTR DEFENSE RECON SUPPORT ACTIVITIES NAVSTAR GLÜBAL PÖS SYS (USER EQ) NAVSTAR GPS (SPACE/GRD SEGMENTS) LONG-HAUL COMMUNICATIONS (DCS) FLIGHT SIMULATOR DEVELOPMENT ADVANCED CIVIL-MILITARY ACFT SATELLITE SYS SURVIVABILITY I TEM NOMENCLATURE GEN INTELLIGENCE SKILL TNG INTELLIGENCE AND COMMUNICATIONS ADVANCED SPACECRAFT TECH AIR FORCE COMMUNICATIONS COMMUNICATIONS SECURITY ADV AERIAL TARGETS DEV CONCEPT DEVELOPMENT SPACE TEST PROGRAM SPECIAL ACTIVITIES WEATHER SYSTEMS SPACE SHUTTLE 64237F 63257F 64411F 84211F 84227F 84733F 63248F 63401F 63402F 63438F 63707F 35165F PROGRAM ELEMENT NUMBER 33401F 35164F 33144F 34111F 35159F 33112F 33126F 35114F 240 242 238 239 241 233 234 235 236 237 230 225 228 227 228 229 232 223 224 231

#### DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

EXHIBIT R-1 DATE: 04 FEB 1985 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

	MA GOOD		! ! !	1	1	THOUSANDS OF DOLLARS	OF DOLLARS
N D C Z J	ELEMENT	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985		日本 1987 日 1987
243	64609F	LOGISTICS TECH FOR WEAPONS SYSTEMS	ဖ	2,845	7,585	6,750	11,106 U
244	64707F	WEATHER SYSTEMS	9	9,313	7, 283	13,078	7, 590 U
245	64735F	RANGE IMPROVEMENT	ယ	17,718	15,552	62, 166	82, 834 U
246	64747F	ELECTROMAG RADIATION TEST FACIL	ဖ	7,130	6,911	3,376	3,573 U
247	64755F	IMPROVED CAPABILITY FOR RDT+E	ဖ	62, 700	70,754	46,417	52,964 U
248	65101F	PRØJECT AIR FØRCE	ဖ	17,878	16, 766	17, 445	18, 295 U
248	65304F	ACQ/COMD SPT - TELECOM	ဖ	7,945	7,137	6, 550	7,087 U
250	65306F	RANCH HAND II EPIDEMIOLOGY STUDY	ဖ	5,027	3, 308	4, 695	7,384 U
251	65502F	SMALL BUSINESS INNOVATION DEV	ဖ	20, 280			
252	65708F	NAV/RADAR/SLED TRACK TEST SPT	ဖ	53, 938	17,649	28,319	29,689 U
253	65806F	ACQUISITION AND COMMAND SUPPORT	ဖ	321,728	333, 269	366, 620	426,532 U
204	65807F	TEST AND EVALUATION SPT	ຜ	396, 947	412, 150	431,594	467,920 U
255	65808F	ADV SYS ENGINEERING/PLAN	w	2, 663	2, 500	3, 895	4,344 U
256	65863F	RDT&E AIRCRAFT SUPPORT	ω		47,511	59, 820	64,943 U
257	65872F	PRODUCTIVITY INVESTMENTS	ø	1,980	3,000	600 '2	8,556 U
258	65874F	PRÖDUCT PERFÖRMANCE AGMT CNTR(PPAC)	ဖ			975	1,175 U
259	65890F	AUDICVISUAL ACTIVITIES - R & D	<b>60</b>	6, 295			Þ
260	35110F	SATELLITE CONTROL FACILITY	<b>19</b>	71,725	93,000	63, 122	64, 331 U
261	35119F	SPACE BOOSTERS	ဖ	15, 441	15, 356	221, 393	191,805 U
282	35130F	CONSOLIDATED SPACE OPERATIONS CENTER	ဖ	65, 173	65, 698	87,415	U 560,089
263	35160F	DEF METEOROLOGICAL SATELLITE PROG	G	22,971	42, 552	71,309	65,790 U
			Z	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>Q.</b>	PAGE F-13	

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE FY 1986 R D T & E PROGRAM

EXHIBIT R-1

9	. NOT TAL SAGRAGA	1: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF	AF			DATE: 04	DATE: 04 FEB 1985
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, , , , , , , , , , , , , , , , , , ,		THOUSANDS OF DOLLARS	OF DOLLARS
N N N M	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	
264	35171F	SPACE LAUNCH SUPPORT	ယ	34, 880	93, 835	79, 232	116,978 U
265	71112F	INVENTORY CONTROL POINT OPERATIONS	ဖ	•	1,000	4,034	5,361 U
266	72207F	DEPOT MAINTENANCE (NON-IF)	ဖ			489	4,895 U
267	78011F	INDUSTRIAL PREPAREDNESS	ဖ	49,005	56,000	104, 540	117,847 U
268	78019F	UTAH TESTING + TRAINING RANGE	9	2, 207			,
269	78026F	PRODUCT/RELIABLE/AVAIL/MAINTAIN PROG	g	12,646	13,865	17,365	21,512 U
270	78031F	LOGISTICS C31 SYSTEM	ω			6, 933	9,944
271	91212F	SERVICE-WIDE SUPPORT	ဖ			196	490 U
272	91215F	PRØDUCTIVITY INVESTMENTS	ဖ			828	N 626
273	92998F	MANAGEMENT HQS-ADP SUPPORT (AF)	ဖ		5, 200		Ð
274	01004F	INTERNATIONAL ACTIVITIES	ဖ	2,857	2,842	2,894	3,044 U
		DEFENSEWIDE MISSION SUPPORT		1,697,427	1, 897, 151	2, 120, 562	2, 173, 468
TOTAL		RESEARCH DEVELOPMENT TEST + EVAL, AF		12, 275, 206	13, 506, 247	15, 578, 500	16, 573, 094
5						PAGE F-14	

## UNCLASSIFIED DEFENSE AGENCIES FY 1986 R D T & E PROGRAM

SUMMARY

EXHIBIT R-1 DATE: 04 FEB 1985

	NOTION A		מאוצים יי	U4 FEB 1985
			THOUSANDS OF DOLLARS	JF DOLLARS
	FY 1984	FY 1985	FY 1986	FY 1987
SUMMARY RECAP OF RESEARCH CATEGORIES	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1
RESEARCH	113, 680	82, 501	100, 831	112, 521
EXFLORATORY DEVELOPMENT ADVANCED DEVELOPMENT	753, 546	748,334	870,436	982,240
ENGINEERING DEVELOPMENT	7, 628	5, 981	3,092	2,365
MANAGEMENT AND SUPPORT	101, 405	107,629	116,838	137,638
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	1, 326, 717	2, 559, 957	5,040,616	6,411,967
OPERALIONAL SYSTEMS DEVELOPMENT	1,442,703	1,678,370	2,013,284	1,978,133
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2, 769, 420	4, 238, 327	7,053,900	6,390,100
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	867, 226	828, 140	970, 292	1,092,807
ADVANCED TECHNOLOGY DEVELOPMENT STBATEGIC BREGGEAMS	337, 184	1, 602, 744	3, 914, 535	5, 129, 235
TACTICAL PROGRAMS	2,050	73, 523	76, 767	81, 401
INTELLIGENCE AND COMMUNICATIONS	1,380,699	1,619,315	1,875,733	1,848,242
DEFENSEWIDE MISSION SUPPORT	104, 560	110, 475	123, 483	145,963
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2, 769, 420	4, 236, 327	7,053,900	8, 390, 100
SUMMARY RECAP OF FYOP PROGRAMS				
GENERAL PURPOSE FORCES	080	0 130	707 37	01 480
INTELLIGENCE AND COMMUNICATIONS	1,437,498	1, 671, 394	1, 830, 932	1.888,356
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	1,326,717	2, 559, 957	5,040,616	6,411,967
SCHPORT OF OTHER NATIONS		1,927	5,000	6,500
		9 1	7	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TÖTAL RESEARCH DEVELÖPMENT TEST + EVAL, DEF AGENCIES	2, 769, 420	4, 238, 327	7, 053, 900	8, 390, 100
SUMMARY RECAP OF DEFENSE AGENCIES				
DEFENSE MAPPING AGENCY	130, 142	;		
DEPARTMENT OF DEFENSE (OSD AND DASDS)	50,000	1, 397, 299	3, 722, 184	4,908,297
DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	863, 429	896,085	776, 347	915, 842
NATIONAL SECURITY AGENCY Defense nuclear agency	968 066	CRC	190 780	989
DEFENSE RECONNAISSANCE SUPPORT PROGRAM	318, 186	354, 620	268.235	000 '282
DEFENSE COMMUNICATIONS AGENCY	103, 782	95, 819	123, 167	123, 352
DEFENSE LOGISTICS AGENCY	23, 550	25,083	33, 206	39, 374
UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES	1,767	1,801	1,981	2, 121
TOTAL RESEARCH DEVELCPMENT TEST + EVAL, DEF AGENCIES	2, 769, 420	4, 238, 327	7, 053, 900	8, 390, 100

DEFENSE AGENCIES FY 1986 R D T & E PROGRAM

		. <b>∀</b> ∃	1986 R	R D T & E PROGRAM	МА	Ш	EXHIBIT R-1
APPR	APPROPRIATION:	: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF	AGENCIES	S		DATE: 0	04 FEB 1985
			<b>;</b>			THOUSANDS OF DOLLARS	!
N O	ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
-	61101E	DEFENSE RESEARCH SCIENCES	-	111,913	80, 700	92, 600	U 006,76
CNT	61101W	IN-HOUSE LAB INDEPENDENT RESEARCH	-	1,767	1, 801	1,981	2,121 U
ო	61103E	UNIVERSITY RESEARCH	-			6, 250	12, 500 U
4	62101E	TECHNICAL STUDIES	-	1,200	1,500	1, 800	2,000 U
ю	62107E	THIRD GENERATION DEFENSE TECHNOLOGY	-	6,840			<b>.</b>
9	62301E	STRATEGIC TECHNOLOGY		207, 734	165, 750	254, 400	315, 100 U
7	62702E	TACTICAL TECHNOLOGY	-	103, 436	107, 400	102,000	130,000 U
0	62707E	PARTICLE BEAM TECHOLOGY	-	30, 900	17, 400	21, 500	15,500 U
a	62708E	INTEGRATED COMD/CONTROL TECH	-	43, 519	53,000	63,000	57,500 U
10	62712E	MATERIALS PROCESSING TECH	_	24, 634	28, 200	33,000	46,000 U
Ξ	62714E	NUCLEAR MONITORING	-	14,447	18, 500	19, 400	20,300 U
<u>~</u>	62715H	DEFENSE NUCLEAR AGENCY	-	320, 836		384, 361	393,886 U
	TECHNO	TECHNÖLÖGY BASE		867, 228	828,140	970, 292	1,092,807
13	63220C	SURVEILLANCE, ACQSN, TRACK & KILL ASSESSMENT	Q	10,000	545,950	1,386,344	1,874,923 U
4	632210	DIRECTED ENERGY WEAPONS	CV.	9, 500	376, 399	965, 441	1,195,575 U
<u>.</u>	632220	KINETIC ENERGY WEAPONS	a	10,000	255, 950	859, 724	1,238,569 U
18	632230	SYSTEMS CONCEPTS AND BATTLE MANAGEMENT	a	10,000	000 '66	243, 300	272,527 U
17	632240	SURVIVABILITY, LETHALITY & KEY SPT TECHNÖLÖGY	01	10,000	112,000	258, 153	316, 701 U
18	632250	JOIN DOD-DOE MUNITIONS TECH DEV	QI.		4,994	8,413	9,237 U
19	63226E	EXP EVAL OF MAJOR INNOVATIVE TECH	Q.	281,456	193, 505	175, 249	201,542 U
50	63702D	SPECIAL TECHNOLOGY OFFICE/USDR&E	OI.	4, 700	7, 941	4,177	4, 581 U
			Š	UNCLASSIFIED	<del>-</del>	PAGE D-1.℃	

-

DEFENSE AGENCIES FY 1986 R D T & E PROGRAM

EXHIBIT R-1

	•	ı рыс	<b>5</b>	<b>5</b>		Þ	<b>5</b>	3	<b>5</b>	<b>-</b>	5		<b>5</b>	>	<b>3</b>		>
DATE: 04 FEB 1985	THOUSANDS OF DOLLARS	FY 1987	12,781 U	2, 799	5, 129, 235	35,000		28, 752		17,206	11,443	92, 401	2, 169	77, 813 U	1,470	81, 452	1,954 U
DATE: 04	THOUSANDS	F → F · · · · · · · · · · · · · · · · ·	11, 421	2, 313	3,914,535	17,000		43, 498		21,254	12, 398	94, 150	2, 083	72, 152	1,472	76, 707	975
		FY 1985	4, 994	2,011	1,602,744			28,419	1,493	29, 252	14, 359	73, 523	2, 130			2, 130	269
		FY 1984		1,528	337, 184		1,227	18,028	7,613	38, 220	12,613	77, 701	2,050			2,050	
EVAL, DEF AGENCIES		ACT	Ø	Ø		ო	ო	ღ	၈	<b>o</b>	ო		4	4	4		IO.
0400 D RESEARCH DEVELOPMENT TEST +		ITEM NOMENCLATURE	COUNTER INSURGENCY & SPECIAL TECHNOLOGY	COMMAND AND CONTROL RESEARCH	ADVANCED TECHNOLOGY DEVELOPMENT	ISLAND SUN	WWMCCS ARCHITECTURE	NMCS-WIDE SUPPORT	WWMCCS ADP-JTSA	WWMCCS SYSTEM ENGINEER	MINIMUM ESSENTIAL EMER COMM NETWORK	STRATEGIC PROGRAMS	CINC C2 INITIATIVES	C3 INTEROPERABILITY (JOINT TACTICAL C3 AGCY)	MANAGEMENT HEADQUARTERS (JTC3A)	AL PROGRAMS	MAP/CHART/GEODESY
APPROPRIATION:		FROGRAM ELEMENT NUMBER	63703D	35108K	ADVANCE	63734K	63735K	32016K	32017K	32019K	33131K	STRATEG	21135K	28045D	28298D	TACTICAL	62716B
APPRO	; i i	L I NE NG	2	22		23	24	52	28	27	28		59	30	31		32

UNCLASSIFIED

31301L GENERAL DEFENSE INTELLIGENCE PROGRAM

310116 CRYPTOLOGIC ACTIVITIES

8 8 80 36

PAGE D-2

15,767 U 2,365 U

3,092

13, 575

EO EO

MAP/CHART/GEGDESY INV/PRGTGTYPE DEV MAP/CHART/GEGDESY ENGR DEV/TEST

63701B 64701B

33

16,779

EXHIBIT R-1

DEFENSE AGENCIES FY 1986 R D T & E PROGRAM

			)	בילאסאין איי		Ţ	EXHIBIT R-1
APP.	APPROPRIATION: 0400 D	0400 D RESEARCH DEVELOPMENT TEST	+ EVAL, DEF AGENCIES			DATE: 04	FEB 1985
-			!		! !	THOUSANDS OF DOLLARS	
Ş	NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
37	31398L	MANAGEMENT HEADQUARTERS GDIP	10				
38	33128K	LONG-HAUL COMMUNICATIONS (DCS)	· 10	19, 480	10, 181	18, 935	20.199 U
<b>œ</b>	33127K	SUPPORT OF THE NCS	Ю	3, 023	7,974	5,686	5, 784 U
4	334016	COMMUNICATIONS SECURITY	ю				•
4	35139B	DMA EXPLOTATION PROGRAM	ю				
4	35159B	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	ю	108, 939	11,288	9,750	
4	351596	DEF RECONNAISSANCE ACTIVITIES	ю				
4	351591	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	ю	318, 186	354, 620	268, 235	
40	351679	COMPUTER SECURITY	ю				
8	35884L	INTEL PLAN AND REVIEW ACTYS	Ю				
47	358859	TACTICAL CRYPTOLOGIC ACTIVITIES	ю				
	INTELL	INTELLIGENCE AND COMMUNICATIONS		1,380,699	1,619,315	1, 875, 733	1,848,242
48	65104D	TECHNICAL SUPPORT TO USDR/E	ဖ	27,470	28, 633	23, 583	27.942 U
400	65106D	GENERAL SUPPORT FOR PA/E	ယ	1,959	2, 198	3,489	
90	651070	SUPPORT TO POLICY	ဖ	3, 905	5, 993	6,445	
52	65108D	GENERAL SUPPORT FOR NET ASSESSMENT	9	3, 621	3, 797	4, 032	5, 463 U
25	65109D	GENERAL SUPPORT FOR MRA/L	ယ	2, 350	2, 825	3,117	
83	65110D	CRITICAL TECHNOLOGY	ဖ		2, 597	2,792	
ιο 4	65112D	TECHNICAL ANALYTICAL SUPPORT	9			16, 001	17,542 U
50 50	65112E	TECHNICAL ANALYTICAL SUPPORT	ဖ		14, 700		
28	65113D	TAPISTRY	ဖ	700	300	2, 793	2,940 U
					۵	PAGE D-3	
			UNCLA	UNCLASSIFIED			

UNCLASSIFIED

			В Н О	) 0	_	<b>4</b> .	5	_	22	) 0	6, 500 U	20. i	. <u>წ</u>	: 8	
EXHIBIT R-1	04 FEB 1985	OF DOLLARS	FY 1987	4, 000 U		25, 824	7,080 U		10,002 U	13, 500 U	6, 50	1,825 U	145,963	8, 390, 100	
tui	DATE: 0	THOUSANDS OF DOLLARS	FY 1986	4,000		21,656	6, 550		9, 222	13,148	5, 000	1,645	123, 483	7,053,900	PAGE D-4
Σ		} ! ! ! ! ! ! ! !	下子 1985	4,000		17, 406	5, 750		8,000	11,430	1,927	919	110,475	4, 236, 327	u.
DEFENSE AGENCIES FY 1986 R D T & E PRÖGRAM	ES		F + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +		2,000	19,050	4, 500	24,000	500	11, 350		3, 155	104, 560	2, 769, 420	UNCLASSIFIED
DEFEN 7 1986	DEF AGENCIES	] ; ; ; ; ; ;	ACT	ယ	ဖ	ဖ	9	ဖ	w	ω	ဖ	ယ			Ś
•	APPRÖPRIATIÖN: 0400 D RESEARCH DEVELÖPMENT TEST + EVAL,DEF		ITEM NOMENCLATURE	BLACKLITE	SMALL BUSINESS INNOVATIVE RESEARCH	DEFENSE TECHNICAL INFO CENTER	INFORMATION ANALYSIS CENTERS	TRI-SERVICE NATL LASER TEST RANGE	MANAGEMENT HEADQUARTERS SDI	MGT HQ (RESEARCH/DEVELOPMENT)	INDUSTRIAL PREPAREDNESS	TECHNOLOGY TRANSFER FUNCTIONS	DEFENSEWIDE MISSION SUPPORT	RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	
	PRIATION:	1	PRGGRAM ELEMENT NUMBER	65114E	65502E	658018	658028	65805E	658980	65898E	780118	010150	DEFENSE		
	APPRO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 N D M	52	10 00	<b>1</b> 0	90	19	62	63	64	65		TÖTAL	

DEFENSE AGENCIES FY 1986 R D T & E PROGRAM

SUMMARY

EXHIBIT R-1

DATE: 04 FEB 1985

		* * * * * * * * * * * * * * * * * * *	THOUSANDS OF DOLLARS	JF DOLLARS
	7. F.	FY 1985	FY 1986	FY 1987
SUMMARY RECAP OF RESEARCH CATEGORIES				
MANAGEMENT AND SUPPORT	49, 000	59,000	103, 500	107,700
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	49, 000	69,000	103, 500	107,700
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	49,000	29, 000	103, 500	107,700
SUMMARY RECAP OF BUDGET ACTIVITIES				
DEFENSEWIDE MISSION SUPPORT	49,000	89,000	103, 500	107,700
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	49,000	ı	103, 500	107,700
SUMMARY RECAP OF FYDP PROGRAMS				
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	49,000	59,000	103, 500	107,700
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	49,000	59,000	103, 500	107,700

PAGE D-5

UNCLASSIFIED

			DEFEN FY 1986	DEFENSE AGENCIES FY 1986 R D T & E PROGRAM	WA:	ົພ	EXHIBIT R-1
APPRO	PRIATION:	APPROPRIATION: 0450 D DIRECTOR OF TEST + EVALUATION, DEFENSE	DEFENSE			DATE: 04	DATE: 04 FEB 1985
1		1				THOUSANDS OF DOLLARS	JF DOLLARS
N N N N	PROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
-	651110	FOREIGN WEAPONS EVALUATION	ဗ	8,064	12,000	17,010	20, 330 U
œ	65604D DEFENSE	5804D TEST AND EVALUATION Defensewide mission support	ω	40,936	47,000	86, 490 103, 500	67,370 U
TOTAL		DIRECTOR OF TEST + EVALUATION, DEFENSE		49,000	59,000	103, 500	107,700
			:	1		PAGE D-6	

DEFENSE MAPPING AGENCY FY 1986 R D T & E PROGRAM

		}u	986 R	FY 1986 ROTS EPROGRAM	Ψ¥	û	EXHIBIT R-1
APPF	OPRIATION	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	AGENCIES	6		DATE: 04	DATE: 04 FEB 1985
	PROGRAM					THOUSANDS OF DOLLARS	:
し で で で に に		ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
32	62716B	MAP/CHART/GEODESY	ω		695	975	1,954 U
33	63701B	MAP/CHART/GEODESY INV/PROTOTYPE DEV	Ю	13, 575	16,779	20, 197	15,767 U
8 4	64701B	MAP/CHART/GEÖDESY ENGR DEV/TEST	ъ	7,628	5,981	3,092	2,365 U
4	35139B	DMA EXPLOTATION PROGRAM	ιΩ				
42	35159B	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	ω	108,939	11,288	9,750	
	INTELL	INTELLIGENCE AND COMMUNICATIONS		130,142	1 1 1 1 1 1 1 1 1 1	6	1 1 1 1 1 1 1
TOTAL		DEFENSE MAPPING AGENCY		130, 142	 	1	;
			ONC	UNCLASSIFIED		PAGE D-7	

UNCLASSIFIED

		STRATEGIC D	EFENSE 986 F	STRATEGIC DEFENSE INITIATIVE ORGANIZATION FY 1986 R D T & E PROGRAM	AN I ZAT I GN AM	X	EXHIBIT R-1	
APPRO	PRIATION:	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	AGENC 1	S		DATE: 04	DATE: 04 FEB 1985	_
1 1	1 1 1 1 1		, 1 1 1	1	! ! ! ! ! ! ! ! !	THOUSANDS OF DOLLARS		
N N N	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1984		FY 1986	FY 1987 C	
5	632200	SURVEILLANCE, ACQSN, TRACK & KILL ASSESSMENT	Ø	10,000	545,950	1,386,344	1,874,923 U	
4	632210	DIRECTED ENERGY WEAPONS	OI.	9, 500	376, 399	965, 441	1,195,575 U	
10	63222C	KINETIC ENERGY WEAPONS	ø	10,000	255, 950	859, 724	1,238,569 U	
16	632230	SYSTEMS CONCEPTS AND BATTLE MANAGEMENT	α	10,000	000 '66	243, 300	272, 527 U	
17	632240	SURVIVABILITY, LETHALITY & KEY SPT TECHNOLOGY	O.	10,000	112,000	258, 153	316, 701 U	
	ADVANC	ADVANCED TECHNOLOGY DEVELOPMENT		49, 500	1, 389, 299	3, 712, 962	4, 898, 295	
82	658980	MANAGEMENT HEADQUARTERS SDI	ဖ	800	8,000	9, 222	10,002 U	
TOTAL		STRATEGIC DEFENSE INITIATIVE ORGANIZATION		50,000	1, 397, 299	3, 722, 184	4, 908, 297	
						PAGE D-8		

UNCLASSIFIED

## DEPARTMENT OF DEFENSE (OSD AND CASDS) FY 1986 R D T & E PROGRAM

D JGIN DGD SPECIAL D COUNTER NCED TECHNO SUPPORT D GENERAL D TECHNICA	į			FY 1986	R D T & E PROGRAM	АМ	ΧIJ	EXHIBIT R-1
TECH NOMENCLATURE   ACT   FY 1984   FY 1985   FY 1985   FY 1987   FY 1988	<u>B.</u> 1	RIATION	RESEARCH DEVELCHMENT TEST & EVAL	AGENCIE	S			FEB 1985
TEM NOMENCLATURE   ACT   FY 1984   FY 1986   FY 1986   FY 1987   FY 1986   FY 1987   FY 1986   FY 1987   FY 1986   FY 1987   FY 1987   FY 1987   FY 1986   FY 1987   FY 1988   FY 1988   FY 1988   FY 1987   FY 1988	Α.	PROGRAM		į		۱ ۱	THOUSANDS	DOLLARS
DGIN DOD-DOE MUNITIONS TECH DEV   2	WZ	ELEMENT	ITEM NOMENCLATURE		FY 1984		FY 1986	1987
SPECIAL TECHNOLOGY OFFICE/USDR&E         2         4,700         7,941         4,177         4,581           COUNTER INSUROENCY & SPECIAL TECHNOLOGY         2         4,700         17,929         11,421         12,781           CED TECHNOLOGY DEVELOPMENT         4,700         17,929         24,011         26,599           CS INTEROPERABILITY (JOINT TACTICAL C3 AGCY)         4         17,929         72,152         77,613           CAL PROGRAMS         4         27,470         28,633         23,624         75,624         75,624           CAL PROGRAMS         5         27,470         28,633         2,126         75,624         75,624           GENERAL SUPPORT FOR PALE         6         1,959         2,196         3,489         8,367         9,867           GENERAL SUPPORT FOR MEA/L         6         2,360         2,825         3,117         4,433           GENERAL SUPPORT FOR MEA/L         6         2,360         2,825         3,117         4,433           GENERAL SUPPORT FOR MEA/L         6         2,360         2,592         3,117         4,433           GENERAL SUPPORT FOR MEA/L         6         2,360         2,592         3,117         4,433           CRITICAL TECHNOLOGY         6         2,360		63225D	JOIN DOD-DOE MUNITIONS TECH DEV	81		4, 994	6,413	
CED TECHNOLOGY & SPECIAL TECHNOLOGY 2  CED TECHNOLOGY DEVELCIPMENT  CED TECHNOLOGY DEVELCIPMENT  CED TECHNOLOGY DEVELCIPMENT  CAL PROGRAMS  CAL PROGRAMS  TECHNICAL SUPPORT TO USDR/E  GENERAL SUPPORT FOR NET ASSESSMENT  GENERAL SUPPORT FOR MRA/L  CRITICAL TECHNOLOGY  CRITICAL TECHNOLOGY  CRITICAL TECHNOLOGY  TECHNICAL ANALYTICAL SUPPORT  CRITICAL TECHNOLOGY  TAPISTRY  CENTRAL SUPPORT  CRITICAL TECHNOLOGY  CRITICAL		63702D	SPECIAL TECHNOLOGY OFFICE/USDR&E	α	4, 700	7, 941	4, 177	
C3 INTEROPERABILITY (JOINT TACTICAL C3 AGCY)         4         7700         17,929         24,011         26,599           C3 INTEROPERABILITY (JOINT TACTICAL C3 AGCY)         4         72,162         77,813           MANAGEMENT HEADQUARTERS (JTC3A)         4         73,624         79,283           CAL PROGRAMS         73,624         79,283         73,624           TECHNICAL SUPPORT TG NEAF         6         27,470         28,633         2,196         79,283           GENERAL SUPPORT FOR NET ASSESSHENT         6         3,605         6,993         6,445         9,867           GENERAL SUPPORT FOR NET ASSESSHENT         6         2,350         6,445         9,867           GENERAL SUPPORT FOR NEA/L         6         2,350         2,825         3,117         4,433           GENERAL SUPPORT FOR NEA/L         6         2,350         2,597         4,032         6,465         9,867           GENERAL SUPPORT FOR NEA/L         6         2,350         2,597         4,032         6,463         9,797         4,433           CRITICAL TECHNOLOGY         6         2,350         2,792         2,792         3,794           TAPISTRY         700         2,793         2,793         2,793         2,940		63703D		QI		4,994	11, 421	
CAL INTEROPERABILITY (JOINT TACTICAL C3 AGCY)         4         1,472         77,163         77,163           CAL PROGRAMS         1,472         1,472         1,472         1,472         1,470           CAL PROGRAMS         CAL PROGRAMS         6         27,470         28,633         2,186         79,283           TECHNICAL SUPPORT TG USDRYE         6         1,959         2,196         3,489         5,361           SUPPORT TG POLICY         6         3,621         3,797         4,032         5,365           GENERAL SUPPORT FGR NET ASSESSMENT         6         2,360         2,362         4,032         6,445           GENERAL SUPPORT FGR MRA/L         6         2,360         2,367         4,032         6,445           GENERAL SUPPORT FGR MRA/L         6         2,360         2,350         2,352         3,117         4,433           CRITICAL TECHNOLOGY         6         2,360         2,557         2,792         3,724           TECHNICAL ANALYTICAL SUPPORT         6         700         2,557         2,792         3,794           TECHNICAL ANALYTICAL SUPPORT         6         700         2,557         2,792         3,794           TAPISTRY         700         2,792         2,793		ADVANC	ED TECHNOLOGY DEVELOPMENT		4, 700	! ~	24, 011	
MANAGEMENT HEADQUARTERS (JTC3A)         4         ————————————————————————————————————		28045D	C3 INTEROPERABILITY (JOINT				72, 152	
CAL PROGRAMS         CAL SUPPORT TO USDR/E         CAL SUPPORT TO POLICY         CAL SUPPORT TO POLI		28298D	MANAGEMENT HEADQUARTERS (JTC3A)	4			1,472	
TECHNICAL SUPPORT TG USDR/E         6         27,470         28,633         23,593         27,942           OFNERAL SUPPORT TGR PA/E         6         1,959         2,196         3,469         5,351           SUPPORT TG POLICY         6         3,905         6,993         4,032         8,445         9,867           OFNERAL SUPPORT FOR NET ASSESSMENT         6         2,350         2,825         4,032         8,465           OFNERAL SUPPORT FOR MRA/L         6         2,350         2,825         3,117         4,433           CRITICAL TECHNOLOGY         6         700         2,597         2,792         3,724           TECHNICAL ANALYTICAL SUPPORT         6         700         2,793         15,001         17,542           TAPISTRY         FABISTRY         8         700         2,793         2,793         2,940		TACTIC	AL PROGRAMS		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	!	73, 624	79, 283
GENERAL SUPPORT FOR PA/E         6         1,959         2,196         3,469         5,351           SUPPORT TO POLICY         6         3,905         6,993         6,445         9,867           GENERAL SUPPORT FOR NET ASSESSMENT         6         2,362         3,797         4,032         5,463           GENERAL SUPPORT FOR MRA/L         6         2,350         2,825         3,117         4,433           CRITICAL TECHNOLGOY         8         700         2,597         2,792         3,724           TECHNICAL ANALYTICAL SUPPORT         6         700         2,597         16,001         17,542           TAPISTRY         700         2,793         2,793         2,940		65104D		ဖ	27, 470	28, 633	23, 593	
SUPPORT TO POLICY         6         3,905         6,993         6,445         9,867           GENERAL SUPPORT FOR MEA/L         6         2,350         2,825         3,117         4,032         5,463           GENERAL SUPPORT FOR MRA/L         6         2,350         2,825         3,117         4,433           CRITICAL TECHNOLGGY         8         7,597         2,792         3,724           TECHNICAL ANALYTICAL SUPPORT         6         700         16,001         17,542           TAPISTRY         8         700         2,793         2,793         2,940		65106D		9	1,959	2, 198	3,489	
GENERAL SUPPORT FOR NET ASSESSMENT         6         3,621         4,032         6,463           GENERAL SUPPORT FOR MRA/L         6         2,350         2,825         3,117         4,433           CRITICAL TECHNOLGGY         6         2,557         2,597         2,792         3,724           TECHNICAL ANALYTICAL SUPPORT         6         700         16,001         17,542           TAPISTRY         6         700         2,793         2,793           UNCLASSIFIED         8         2,793         2,940		65107D	SUPPORT TO POLICY	6	3, 905	5, 993	6, 445	
GENERAL SUPPORT FOR MRA/L         6         2,350         2,825         3,117         4,433           CRITICAL TECHNOLGGY         6         2,597         2,792         3,724           TECHNICAL ANALYTICAL SUPPORT         6         700         300         15,001         17,542           TAPISTRY         6         700         2,793         2,940           UNCLASSIFIED         PAGE         D-9		65108D	GENERAL SUPPORT FOR NET ASSESSMENT	9	3, 621	3, 797	4, 032	5, 463 U
CRITICAL TECHNOLOGY         2,597         2,792         3,724           TECHNICAL ANALYTICAL SUPPORT         6         700         300         2,793         17,542           TAPISTRY         6         700         300         2,793         2,940           UNCLASSIFIED         PAGE         D-9	_	651090	GENERAL SUPPORT FOR MRA/L	9	2, 350	2, 825	3,117	4, 433 U
TECHNICAL ANALYTICAL SUPPORT         6         700         300         2,793         2,940           TAPISTRY         PAGE D-9	_	651100	CRITICAL TECHNOLOGY	ဖ		2, 597	2, 792	3,724 U
TAPISTRY 6 700 2,793 UNCLASSIFIED PAGE D-9	_	65112D	TECHNICAL ANALYTICAL SUPPORT	G			16,001	17,542 U
PAGE	_	35113D	TAPISTRY	ဖ	700	300	2, 793	2,940 U
				ON	LASSIFIED	α.		

UNCLASSIFIED

	9	•	) HI C	<b>5</b>		
EXHIBIT R-1	DATE: 04 FEB 1985	JF DOLLARS	FY 1987 CF	1,825 U 79,087	184, 969	
(3)	DATE: 04	THOUSANDS OF DOLLARS	FY 1986	1,645	161, 542	PAGE D-10
GASDS)		. 5	F + 1000	919	65, 191	<b>a</b>
ENSE (OSD AND DT&EPROGRA		8	FY 1984 FY 1985 FY 1986	3, 155	47,860	UNCLASSIFIED
DEPARTMENT OF DEFENSE (GSD AND CASDS) FY 1986 R D T & E PROGRAM	AL DEF AGENCIES	! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	ACT	<b>65</b>		ONCI
DEF	APPROPRIATION: 0400 D RESEARCH DEVELCOPMENT TEST & EVAL DEF AGENCIES		I TEM NOMENCLATURE	O1015D TECHNOLOGY TRANSFER FUNCTIONS Defensewide mission support	DEPARTMENT OF DEFENSE (OSD AND CASDS)	
	RIATION:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PROGRAM Elément Number	O1015D DEFENSE		
	APPRO		L Z D	<b>6</b> 0	TÖTAL	

UNCLASSIFIED

# DEFENSE ADVANCED RESEARCH PROJECTS AGENCY FY 1986 R D T & E PROGRAM

EXHIBIT R-1	DATE: 04 FEED 1008	200
FY 1986 R D T & E PROGRAM	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	

		ALL TOTAL OF THE OFFICE DEVELOPMENT FOR SEVAL DEF AGENCIES	F AGENCIES	1		DATE: 04	DATE: 04 FEB 1985
<u> </u>	PROGRAM					THOUSANDS OF DOLLARS	DOLLARS
0 2	NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
-	61,101E	DEFENSE RESEARCH SCIENCES	-	111,913	80, 700	92, 600	U 006,78
က	61103E	UNIVERSITY RESEARCH	-			6,250	12,500 U
4	62101E	TECHNICAL STUDIES	-	1,200	1,500	1,800	2, 000 U
Ю	62107E	THIRD GENERATION DEFENSE TECHNOLOGY	-	6,840			<b>.</b>
0	62301E	STRATEGIC TECHNOLOGY	<b></b>	207, 734	165, 750	254, 400	315,100 U
7	62702E	TACTICAL TECHNOLOGY	-	103, 436	107, 400	102,000	130,000 U
Φ	62707E	PARTICLE BEAM TECHOLOGY	_	30, 900	17, 400	21,500	15,500 U
G)	62708E	INTEGRATED COMD/CONTROL TECH	-	43, 519	53,000	53,000	57,500 U
0	62712E	MATERIALS PROCESSING TECH	-	24,634	28, 200	33, 000	48,000 U
1	62714E	NUCLEAR MONITORING	-	14,447	18, 500	19, 400	20,300 U
	TECHNO	TECHNOLOGY BASE		544, 623	472, 450	583,950	696,800
8	63226E	EXP EVAL OF MAJOR INNOVATIVE TECH	Ø	281, 456	193, 505	175, 249	201,542 U
100	65112E	TECHNICAL ANALYTICAL SUPPORT	ဖ		14,700		<b>.</b>
22	65114E	BLACKLITE	ဖ		4,000	4,000	4.000 U
52	65502E	SMALL BUSINESS INNOVATIVE RESEARCH	ဖ	2,000			, <u>,</u>
61	65805E	TRI-SERVICE NATL LASER TEST RANGE	ဖ	24,000			Þ
			UNCLA	UNCLASSIFIED	ā.	PAGE D-11	

7

#### UNCLASSIFIED

AGENCY	
PROJECTS	PROGRAM
RESEARCH	R U → & E
ADVANCED	FY 1986
DEFENSE	<b>L</b>

	ti.	FY 1986	R D T & E PROGRAM	RAM	ជិ	EXHIBIT K-1
APPROPRIATION:	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	EF AGENCI	ES		DATE: 04	DATE: 04 FEB 1985
			} } ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	6 6 1 1 1 1 1 1 1 1 1	THOUSANDS OF DOLLARS	:
PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986 FY 198	FY 1987 C
63 65898E	MOT HO (RESEARCH/DEVELOPMENT)	ω	11,350	11, 430	13, 148	13,500 U
DEFENSE	DEFENSEWIDE MISSION SUPPORT		37, 350	30, 130	17, 148	17,500
TOTAL DEFENSE	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY		863, 429	696, 085	776, 347	915,842
					PAGE D-12	

NATIONAL SECURITY AGENCY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

		_	000	ביים או היים מספריים	Ē	Ŋ	באחוטוו א-ו
APPR	SPRIATION:	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	EF AGENCIE			DATE: 04	
1	PROGRAM		,		THOUSANDS OF DOLLARS	THOUSANDS OF DOLLARS	IF DOLLARS
N N N N N N N N N N N N N N N N N N N	LINE ELEMENI NG NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	E FY 1987 C
<b>10</b>	310116	310110 CRYPTOLOGIC ACTIVITIES	ю				
9		334016 COMMUNICATIONS SECURITY	ю				

TOTAL NATIONAL SECURITY ABENCY

358850 TACTICAL CRYPTOLOGIC ACTIVITIES

INTELLIGENCE AND COMMUNICATIONS

351596 DEF RECONNAISSANCE ACTIVITIES

6 4 4 4 6 6 6 7

351670 COMPUTER SECURITY

PAGE D-13

UNCLASSIFIED

			b Pi O	$\supset$		
EXHIBIT R-1		THOUSANDS OF DOLLARS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	393, 886 U	393, 886	
ы		THOUSANDS OF DOL	FY 1986	384, 361	384, 361	PAGE D-14
ξ			FY 1985	353, 889	353, 889	<b>a</b> .
DEFENSE NUCLEAR AGENCY FY 1986 R D T & E PROGRAM			FY 1964   FY 1985   FY 1966   FY 1967   C	320, 836	320, 836	UNCLASSIFIED
DEFENSE P Y 1986 R	EF AGENCIES		ACT	-		OND
L.	TEST & EVAL D	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	! ! ! ! ! !	ITEM NOMENCLATURE	DEFENSE NUCLEAR AGENCY		
	SEARCH	1 1 1 1 1 1 1 1 1	I TEM	CLEAR	GENCY	
	D RE	!		SE NU	EAR A	
	0400	# # # #		DEFEN	NUCL	
	RIATION:		PROGRAM Element Number	62715H	DEFENSE NUCLEAR AGENCY	
	APPROPI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5	TOTAL	

	PROGRAM	Σ
)	SUPPORT	F PROBAL
	DEFENSE RECONNAISSANCE SUPPORT PROGRAM	- C
	RECON	1986
	DEFENSE	<u>≻</u>

EXHIBIT R-1

PRO	PRIATION:	0400 [	D RESEARCE	H DEV	ELOPMI	ENT TES	T & EVAL	APPRÖPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	PMENT TEST & EVAL DEF AGENCIES		DATE: 04 FEB 1985	DATE: 04 FEB 1985	
	PROGRAM					•		i	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		THOUSANDS OF DOLLARS	JF DOLLARS	
S S S	ELEMEN! NUMBER		ITEM NOMENCLA	NOMEN	ICLATURE	Ä		ACT	FY 1984	FY 1985	FY 1986	FY 1987 C	()
4	351591		DEFENSE RECONNAISSANCE	ISSAN		PPORT A	SUPPORT ACTIVITIES	Ю	318, 186	354, 620	268, 235		
TOTAL	DEFENSE	F RECON	DEFENSE RECONNAISSANCE SUPPORT	SUPP		PROGRAM			318, 186	354, 620	268, 235		
								N N	UNCLASSIFIED	•	PAGE D-15		

# DEFENSE COMMUNICATIONS AGENCY FY 1986 R D T & E PROGRAM

2,169 U 5,784 U 2,799 ∪ 11,443 U 20, 199 U 35,000 U 28, 752 U 17,208 U FY 1987 123, 352 25,983 92,401 ....... THOUSANDS OF DOLLARS DATE: 04 FEB 1985 EXHIBIT R-1 FY 1986 2,083 5,686 2,313 18,935 24, 621 123, 167 17,000 43,498 21,254 12, 398 94, 150 7,974 2,130 2,011 28,419 1,493 29, 252 14, 359 18, 155 95, 819 FY 1985 73, 523 10, 181 103, 782 1,528 1,227 18,028 7,613 38,220 77, 701 2,050 3,023 12,613 FY 1984 19,480 22, 503 APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES ACT က က က Ø က MINIMUM ESSENTIAL EMER COMM NETWORK LONG-HAUL COMMUNICATIONS (DCS) COMMAND AND CONTROL RESEARCH ITEM NOMENCLATURE INTELLIGENCE AND COMMUNICATIONS WWMCCS SYSTEM ENGINEER DEFENSE COMMUNICATIONS AGENCY WWMCCS ARCHITECTURE 21135K CINC C2 INITIATIVES 33127K SUPPORT OF THE NCS NMCS-WIDE SUPPORT WWMCCS ADP-JTSA STRATEGIC PROGRAMS ISLAND SUN 33131K 33126K PROGRAM ELEMENT NUMBER 35108K 63735K 32016K 32017K 32019K 63734K TOTAL 22 23 24 25 26 27 29 38

PAGE D-16

DEFENSE INTELLIGENCE AGENCY FY 1986 R D T & E PROGRAM

EXHIBIT R-1

FY 1987 C

FY 1986

DATE: 04 FEB 1985 APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

THOUSANDS OF DOLLARS FY 1985 FY 1984 ACT

KO. Ø 31301L GENERAL DEFENSE INTELLIGENCE PROGRAM MANAGEMENT HEADQUARTERS GDIP 31398L

I TEM NOMENCLATURE

PROGRAM LINE ELEMENT NO NUMBER

36 37 48 INTELLIGENCE AND COMMUNICATIONS

INTEL PLAN AND REVIEW ACTYS

35884L

PAGE D-17

UNCLASSIFIED

TOTAL DEFENSE INTELLIGENCE AGENCY

UNCLASSIFIED

		DEF FY 15	DEFENSE LOGISTICS AGENCY FY 1986 R D T & E PROGRAM	AGENCY PRGGRAM		X W	EXHIBIT R-1
APPRC	JPRIATION:	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	AGENCIES			DATE: 04	DATE: 04 FEB 1985
! ! !	: ! ! !	.	† † 1 1 1 1 1 1 1 1 1	! ! !	! !	THOUSANDS OF DOLLARS	
N N N	PROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT FY 1984	i i ! ! !	FY 1985	FY 1986	FY 1987 C
50	658018	DEFENSE TECHNICAL INFO CENTER	6 19,	19, 050	17,408	21,656	25, 824 L
9	658028	INFORMATION ANALYSIS CENTERS	6 4,	4, 500	5,750	6, 550	7,050 L
64	780118	78011S INDUSTRIAL PREPAREDNESS	<b>5</b>		1,927	2,000	6, 500
	DEFENSI	DEFENSEWIDE MISSIGN SUPPORT	23,		25, 083	1	39, 374
TOTAL		DEFENSE LOGISTICS AGENCY	23, 550	23, 550	25, 083	33, 206	39, 374
			UNCLASSIFIED	e	PAG	PAGE D-18	

UNCLASSIFIED

SCIENCES	
HEALTH	PROGRAM
UNIVERSITY	R
RVICES	FY 1986
UNIFORMED SE	

EXHIBIT R-1

PROPRIATION	SEARCH DEVELOPMENT	DEF AGENCIE				
PROGRAM		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;			<u> </u>	HOUSANDS OF DOLLARS
LINE ELEMENT	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C
2 61101W	611014 IN-HOUSE LAB INDEPENDENT RESEARCH	-	1,767	1,801	1,981	2, 121 U
AL UNIFOR	TOTAL UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES		1,767	1,801	1,981	2, 121
			1	-	PAGE D-19	

# is made in filling your order, if the item was received replacement will be provided if an error NTIS does not permit return of items for credit or in damaged condition, or if the item is defective.

Reproduced by NTIS
National Technical Information Service
U.S. Department of Commerce
Springfield, VA 22161

This report was printed specifically for your order from our collection of more than 2 million technical reports.

For economy and efficiency, NTIS does not maintain stock of its vast collection of technical reports. Rather, most documents are printed for each order. Your copy is the best possible reproduction available from our master archive. If you have any questions concerning this document or any order you placed with NTIS, please call our Customer Services Department at (703)487-4660.

Always think of NTIS when you want:

- Access to the technical, scientific, and engineering results generated by the ongoing multibillion dollar R&D program of the U.S. Government.
- R&D results from Japan, West Germany, Great Britain, and some 20 other countries, most of it reported in English.

NTIS also operates two centers that can provide you with valuable information:

- The Federal Computer Products Center offers software and datafiles produced by Federal agencies.
- The Center for the Utilization of Federal Technology gives you access to the best of Federal technologies and laboratory resources.

For more information about NTIS, send for our FREE *NTIS Products* and *Services Catalog* which describes how you can access this U.S. and foreign Government technology. Call (703)487-4650 or send this sheet to NTIS, U.S. Department of Commerce, Springfield, VA 22161. Ask for catalog, PR-827.

Name		 ·	 	 
Address	<u></u>		 	
Telephone				

- Your Source to U.S. and Foreign Government Research and Technology.